

## **TRANSFER REPORT**

**Changes Under Alaska's Sablefish IFQ Program,  
1995 Through 2014**



Photo: NOAA Fisheries

**August 2015**



**Final Report:**

This is a report from National Oceanic and Atmospheric Administration Fisheries Service (NOAA Fisheries) **Restricted Access Management (RAM)** covering the sablefish IFQ program from 1995 through 2014. The final report for the sablefish fishery is contained in a separate document.

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**Abstract:**

This study uses NOAA Fisheries-RAM administrative data and other ancillary data to analyze the first nineteen years of the sablefish individual fishing quota (IFQ) program in Alaska. The topics covered in the report include basic data on the extent of consolidation of quota share (QS) holdings, the volume of permanent QS transfers; QS prices; the volume of seasonal QS lease transfers, and IFQ lease prices. The report highlights the importance of several special features of the IFQ program and provides an extensive overview of changes in the geographic distribution of QS holdings. The report includes summary data on permanent transfers including the amount of QS transferred as sales, gifts, and trades; the relationships between the transferors and transfer recipients; and the finance methods used in sales transfers. The report investigates changes in the distribution of QS by person-type, changes in the distribution of QS between initial QS recipients and new entrants, and changes in sablefish harvest and delivery patterns. The report also provides information on the consolidation of IFQ permit holders onto single vessel operations and on the underharvest of IFQ during the 1995 to 2014 fishing seasons.

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# 1 Introduction Sablefish

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## 1.1 The Purpose of This Study

This report uses administrative and harvest data from the Restricted Access Management Program (RAM) of the National Oceanic Atmospheric Administration (NOAA) National Marine Fisheries Service (NMFS) and other ancillary data to report on the first nineteen years of the sablefish individual fishing quota (IFQ) program in Alaska. The purpose of this report is to provide accurate information on particular topics of interest concerning the program.

These IFQ programs in Alaska's halibut and sablefish fisheries were first implemented by NMFS in 1995 and are administered by RAM. The programs had been developed by the North Pacific Fishery Management Council (Council) and approved by the United States Secretary of Commerce.

The sablefish IFQ program represents a dramatic change from the open access fishery that preceded it. The growth in fishing effort under open access had necessitated large reductions in the length of the fishing seasons and caused a host of undesirable effects. The congestion on the fishing grounds during the relatively short openings also led to gear conflicts, gear loss, and resource wastage. The fact that the harvest occurred during short periods caused short-term market gluts and forced frozen product to be held and marketed over long periods. These factors led to lower product quality and ex-vessel prices for fishermen.

The Council anticipated that the sablefish IFQ program would spread out the season, allow fishermen to harvest their individual quotas at times opportune to them, and lead to improved product quality ex-vessel prices and economic profits. They also expected the IFQ program to reduce safety problems, congestion on the grounds, gear loss, and wastage of resources.

Many of the Council's objectives have been realized during the first nineteen years of the program. The season has been lengthened, ex-vessel prices have improved, and congestion on the grounds has been reduced. Fishermen can and do choose the times they will harvest their IFQs. There is also evidence that the program has served the other Council objectives.

However, despite these successes, some people continue to have concerns about long-term changes that might occur under the program. This is particularly true in Alaska where there are many coastal communities that depend heavily on commercial fishing for their economic base. The transfer of IFQ use-privileges to persons outside a local area or radical change in harvest and delivery patterns under the program might have harmful effects on some communities. Because of this, many parties have an interest in closely monitoring the changes occurring under the IFQ program. In 1995 the State of Alaska, NMFS, and the Council formed an interagency study team to evaluate changes occurring under the new IFQ program. Several studies were initiated and completed through this process.

The NMFS Restricted Access Management Program administers the IFQ programs and is committed to continuing this monitoring effort. The main purpose of this study is to use data collected and maintained by RAM to document and report changes that occurred during the first nineteen years of the new sablefish IFQ program. The information contained in this report will

help inform policy discussions on proposals for new IFQ programs or proposals to alter existing IFQ programs.

The report includes a brief description of the sablefish fishery, the IFQ program, and data information that should assist in the evaluation of program features.

## **1.2 The Sablefish Fishery**

Sablefish are demersal, living in waters on or near the bottom. Adults are typically found in waters from 400 to 1,000 meters on the continental slope and in or near underwater canyons and gullies. Sablefish have been subject to directed fisheries by hook-and-line, longlines, pots, and trawls. Allocations of sablefish total allowable catch (TAC) among gear groups have been ongoing since the 1980's. Sablefish has also been taken as bycatch, particularly in trawl fisheries. There is little or no recreational fishery for sablefish. Sablefish from the directed fishery typically are landed in Alaska or processed offshore by floating processors or catcher processors.<sup>1</sup>

The responsibility for the management of the sablefish fisheries in Federal waters off Alaska rests with the Regional Council and the U.S. Secretary of Commerce. Actual management is carried out by the NOAA Fisheries Service.

The Alaska Department of Fish and Game (ADF&G) manages sablefish within waters under the jurisdiction of the State of Alaska under regulations and guidelines established by the Alaska Board of Fisheries. Some significant sablefish fisheries within state waters have been placed under limited entry programs by the Alaska Commercial Fisheries Entry Commission (CFEC). Other sablefish fisheries occurring in state waters remain open access although IFQ permit holders who participate in these open access state fisheries must record their landings under the sablefish IFQ program, and any harvest is subtracted against their IFQ.

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<sup>1</sup> Longline and Pot Gear Sablefish Management in the Gulf of Alaska and the Bering Sea/Aleutian Islands; Draft Supplemental Environmental Impact Statement and Regulatory Impact Review/Initial Regulatory Flexibility Analysis to the Fishery Management Plans for the Gulf of Alaska and the Bering Sea/Aleutian Islands; NPFMC, November 16, 1989; pages 15, 27, and 35.

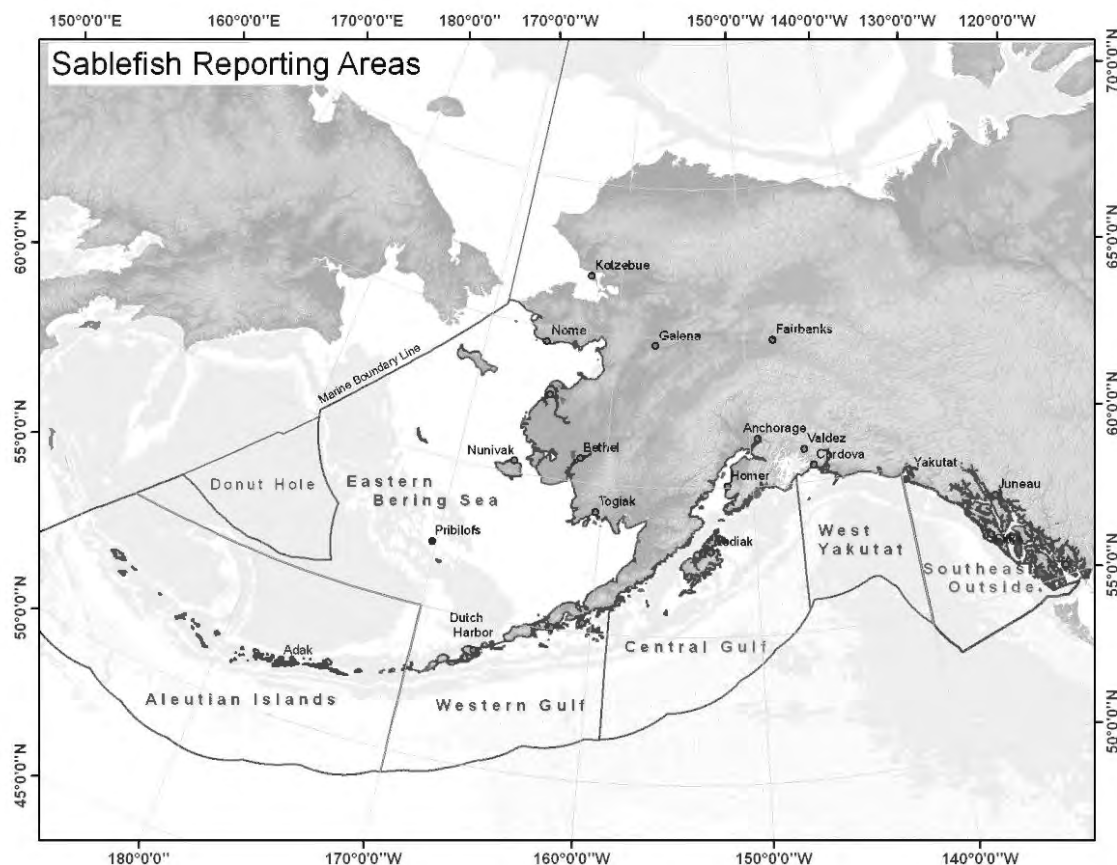


Figure 1. Sablefish IFQ Management Areas

### 1.3 Background on the Sablefish IFQ Program

In December 1991, the Council recommended an Individual Fishing Quota (IFQ) Program for management of the “fixed gear” sablefish and halibut fisheries off Alaska. For sablefish, fixed gear in the Gulf of Alaska (GOA) areas included all hook and line fishing gear, and fixed gear in the Bering Sea and Aleutians Islands (BSAI) areas included all hook and line and all pot gear.<sup>2</sup> The development of the program took place over a long time period. After many years of development, the Council's IFQ plan for sablefish was approved as a regulatory amendment by the Secretary of Commerce in early 1993, and final implementing regulations became effective in November 1993.<sup>3</sup>

Quota shares (QS) are the basic use-privileges that were established under the program.<sup>4</sup> QS were issued to qualified applicants who owned or leased a vessel with legal fixed gear landings

<sup>2</sup>In the GOA, for purposes of determining initial IFQ allocations, fixed gear included all pot gear that had been used to make a legal landing. See 50 CFR 679.2.

<sup>3</sup> 58 FR 59375, November 9, 1993.

<sup>4</sup> “QS will be used in this report both “quota share” and “quota shares.” “QS units” and “unit of QS” also will be used for greater clarity.

of sablefish at any time during 1988, 1989, and 1990. The regular QS units issued to a person in a management area were equal to the person's qualifying pounds for that area. Qualifying pounds were the sum of the person's best five years of landings (pounds) over the six-year period from 1985 to 1990.

The issued QS are specific to one of six sablefish management areas and one of three vessel classes. The management areas are Southeast (SE), West Yakutat (WY), Central Gulf (CG), Western Gulf (WG), Bering Sea (BS), and Aleutians Islands (AI) (see Figure 1). The three vessel classes include a harvester-processor vessel class ("freezer") and two catcher vessel classes. The two catcher vessel classes are "60 feet or less" and "greater than 60 feet."

In the BS and AI areas, 20% of the fixed gear total allowable catch (TAC) was allocated to Community Development Quotas (CDQs) for groups of communities in western Alaska.<sup>5</sup> The Council compensated QS holders in these CDQ areas for reductions in TAC due to CDQs by issuing them additional "CDQ compensation QS" in the four non-CDQ areas: The SE, WY, CG, and WG areas. The CDQ compensation QS increased the total QS issued (the "QS Pool").

Each year, the amount of QS in the QS pool as of January 31 and the TAC allocated to the area's sablefish IFQ fishery are used to determine the basic QS/IFQ ratio that will be used annually in each management area for the year.<sup>6</sup> Table 1 provides QS pool and TAC data from 1995 by management area. The QS/IFQ ratio TAC, and QS pool change from year to year. Ratios are affected by annual changes in either QS pools or TACs. The annual TACs change with stock abundance; QS pools change through initial issuance appeals and other administrative or legal actions.

The sablefish QS pools between fluctuated slightly during the first nineteen IFQ Program years.<sup>7</sup> The QS pool was larger at the beginning of 2014 than it was in 1995 in the CG, BS, and AI management areas.

Note that the sablefish TACs devoted to IFQs in WG dropped until 2006 compared to previous year than with all other areas, experienced increased IFQ TAC.

A person's annual IFQ for an area is determined by multiplying the person's fraction of the total QS units outstanding in the area by the total allowable catch (TAC) allocated to the area's annual IFQ fishery. Adjustments for the person's underharvest or overharvest from the previous year determine the person's final IFQ for the year.

The issued QS are permanently transferable and, in some cases, leasable under conditions discussed in the report. The Council wanted to achieve some of the benefits associated with IFQ management but did not want the program to lead to radical changes that would be harmful to communities dependent upon the fishery. As a result, the Council adopted several complex rules to constrain changes that could occur under the program.

These rules include limits on who may buy QS and on the amount of QS that a person may hold. Rules also include constraints on the amount of QS that may be fished from a boat, and restrictions placing some QS holdings into "blocks" that can only be transferred on an "all or nothing basis." These rules represent an effort by the Council to achieve economic efficiency

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<sup>5</sup> 50.CFR 679.3(c)

<sup>6</sup> 50 CFR 679.40(c)

<sup>7</sup> RAM included QS that was on appeal and claimed by two or more persons in the QS pool at the beginning of the year. When a case was resolved the QS and the associated IFQ was issued to successful applicant.

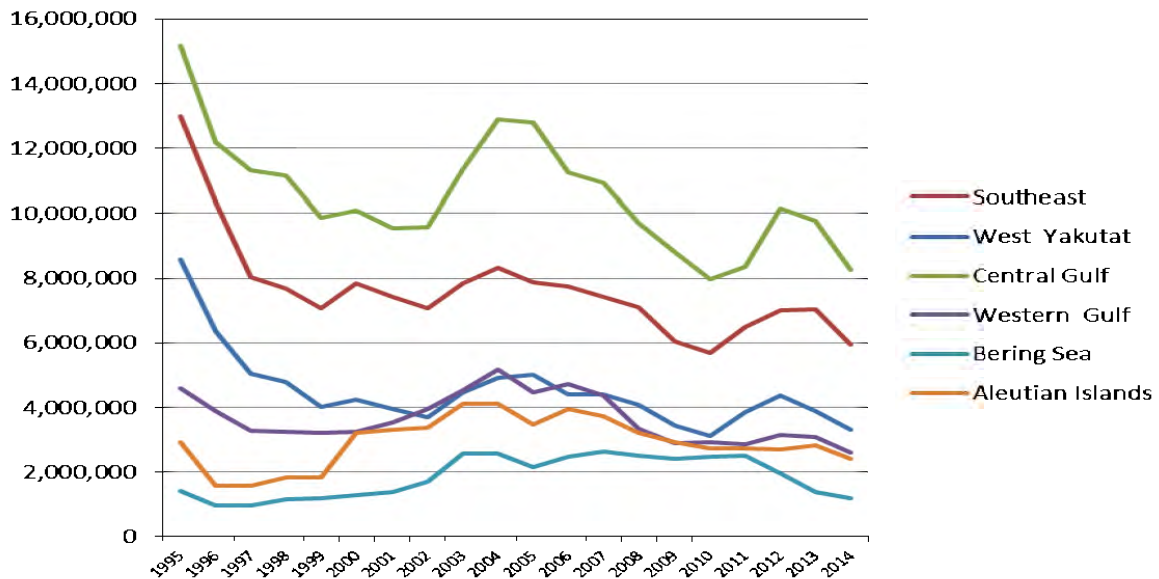
gains under the program while preserving some of the traditional character of the fishery and the diversity of the fishing operations. These rules are outlined in more detail and are discussed in subsequent chapters of this report.

**Table 1-1. Quota Share Pools and IFQ TACs by Sablefish Management Area, 1995-2014**

Sablefish Management Area	Year	Quota Share Pool (# of QS Units)	IFQ TAC (Round lbs CDQs excluded)	Ratio of QS/IFQ
Southeast	1995	68,528,249	12,985,094	5.28
	1996	68,848,467	10,346,188	6.65
	1997	65,961,362	8,042,381	8.20
	1998	65,938,762	7,687,440	8.59
	1999	65,967,848	7,054,720	9.35
	2000	66,030,961	7,832,944	8.43
	2001	66,030,961	7,407,456	8.91
	2002	66,030,961	7,076,766	9.33
	2003	66,119,746	7,848,376	8.42
	2004	66,119,746	8,311,342	7.96
	2005	66,120,619	7,870,422	8.40
	2006	66,120,619	7,760,192	8.52
	2007	66,120,619	7,429,502	8.89
	2008	66,120,619	7,098,812	9.31
	2009	66,120,619	6,053,832	10.92
	2010	66,120,619	5,687,868	11.62
	2011	66,120,619	6,481,524	10.20
	2012	66,120,619	6,995,196	9.45
	2013	66,120,619	7,032,674	9.40
	2014	66,120,619	5,941,397	11.13
West Yakutat	1995	55,222,648	8,586,917	6.43
	1996	55,254,522	6,366,885	8.68
	1997	53,189,319	5,048,534	10.54
	1998	53,224,850	4,795,005	11.10
	1999	53,207,225	4,023,395	13.22
	2000	53,231,066	4,230,627	12.58
	2001	53,231,066	3,944,029	13.50
	2002	53,231,066	3,708,137	14.36
	2003	53,267,935	4,466,520	11.93
	2004	53,267,935	4,925,076	10.82
	2005	53,266,430	5,011,056	10.63
	2006	53,266,430	4,387,154	12.14
	2007	53,266,430	4,402,586	12.09
	2008	53,266,430	4,085,124	13.03
	2009	53,266,430	3,432,562	15.51
	2010	53,266,430	3,108,486	17.14
	2011	53,266,430	3,844,822	13.85
	2012	53,266,430	4,356,290	12.23
	2013	53,266,430	3,899,937	13.66
	2014	53,266,430	3,295,877	16.16
Central Gulf	1995	110,855,516	15,167,648	7.31
	1996	112,098,331	12,169,392	9.21
	1997	110,793,607	11,305,189	9.80
	1998	111,020,282	11,146,458	9.96

Sablefish Management Area	Year	Quota Share Pool (# of QS Units)	IFQ TAC (Round Pounds CDQs excluded)	Ratio of QS/IFQ
Central Gulf	1999	111,032,423	9,858,971	11.26
	2000	111,619,720	10,105,886	11.05
	2001	111,765,502	9,541,509	11.71
	2002	111,619,720	9,576,782	11.66
	2003	111,668,048	11,358,099	9.83
	2004	111,668,048	12,874,864	8.67
	2005	111,686,632	12,786,680	8.73
	2006	111,686,632	11,234,642	9.94
	2007	111,686,632	10,917,179	10.23
	2008	111,686,632	9,700,240	11.51
	2009	111,686,632	8,800,763	12.69
	2010	111,686,632	7,954,197	14.04
	2011	111,686,632	8,359,843	13.36
	2012	111,686,632	10,158,797	10.99
	2013	111,686,632	9,770,787	11.43
	2014	111,686,622	8,256,227	13.53
Western Gulf	1995	37,318,847	4,585,568	8.14
	1996	37,566,440	3,880,096	9.68
	1997	35,918,873	3,280,445	10.95
	1998	36,030,477	3,245,171	11.10
	1999	35,951,012	3,209,898	11.20
	2000	36,028,233	3,245,171	11.10
	2001	36,029,105	3,544,997	10.16
	2002	36,029,105	3,950,643	9.12
	2003	36,029,105	4,532,658	7.95
	2004	36,029,105	5,167,582	6.97
	2005	36,029,579	4,479,747	8.04
	2006	36,029,579	4,709,026	7.65
	2007	36,029,579	4,356,290	8.27
	2008	36,029,579	3,333,355	10.80
	2009	36,029,579	2,892,435	12.45
	2010	36,029,579	2,927,709	12.31
	2011	36,029,579	2,857,162	12.61
	2012	36,029,579	3,139,350	11.48
	2013	36,029,579	3,086,440	11.67
	2014	36,029,579	2,610,246	13.80
Bering Sea	1995	16,388,151	1,410,944	11.62
	1996	17,708,130	970,024	18.26
	1997	18,602,398	970,024	19.18
	1998	18,602,398	1,146,392	16.23
	1999	18,587,476	1,181,666	15.73
	2000	18,768,845	1,296,305	14.48
	2001	18,768,845	1,375,670	13.64
	2002	18,768,845	1,701,951	11.03
	2003	18,768,845	2,557,336	7.34
	2004	18,768,845	2,557,336	7.34
	2005	18,790,367	2,151,690	8.73
	2006	18,790,367	2,486,789	7.56
	2007	18,790,367	2,627,883	7.15
	2008	18,790,367	2,522,062	7.45
	2009	18,790,367	2,398,605	7.83
	2010	18,311,964	2,460,334	7.44
	2011	18,765,280	2,513,244	7.47

Sablefish Management Area	Year	Quota Share Pool (# of QS Units)	IFQ TAC (Round Pounds CDQs excluded)	Ratio of QS/IFQ
Bering Sea	2012	18,765,280	1,966,503	9.54
	2013	18,765,280	1,393,307	13.47
	2014	18,765,280	1,181,666	15.88
Aleutian Islands	1995	31,126,431	2,910,072	10.70
	1996	31,496,242	1,587,312	19.84
	1997	31,518,176	1,587,312	19.86
	1998	31,570,557	1,825,409	17.30
	1999	31,518,176	1,825,409	17.27
	2000	31,932,492	3,215,189	9.93
	2001	31,932,492	3,306,900	9.66
	2002	31,932,492	3,373,920	9.46
	2003	31,932,492	4,100,556	7.79
	2004	31,932,492	4,100,556	7.79
	2005	31,932,492	3,465,631	9.21
	2006	31,932,492	3,968,280	8.05
	2007	31,932,492	3,716,956	8.59
	2008	31,932,492	3,227,534	9.89
	2009	31,932,492	2,910,072	10.97
	2010	31,617,341	2,738,113	11.55
	2011	31,932,492	2,738,113	11.66
	2012	31,932,492	2,710,776	11.78
	2013	31,932,492	2,830,706	11.28
	2014	31,932,492	2,394,196	13.34



**Figure 2. Quota Share Pool (# of pounds) by sablefish management area 1995-2014**

This graph shows the amount of total allowable catch that has been allocated to each area from 1995 to 2014. The graph represents a drop in allocations for most area as the stock fluctuates each year so does the allocation.

## 2 Sablefish - Consolidation of QS Holdings

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### 2.1 Introduction

Near the end of 1994 NOAA Fisheries (NMFS) first allocated sablefish QS. By 1995, most of the eligible applicants had received their allocations; however, some allocations continued over time as appeals were resolved. Persons began to transfer their QS shortly after the allocations started. Some of the QS transfers have been to persons who were entering the fishery for the first time; other transfers went to persons who had received initial allocations and were adjusting their QS holdings.

Transfer transactions and revocations and other administrative or legal actions can change the distribution of QS holdings. Permanent transfer activity includes routine transfers, transfers associated with “sweep-ups” of QS blocks, transfers associated with “swaps” of CDQ compensation QS across vessel categories, and court-ordered transfers. This chapter provides an overview of the consolidation of QS holdings that have occurred due to all these factors during the first twelve years of the IFQ program.

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The sablefish IFQ program has many special features that serve to constrain the nature and extent of QS consolidation, of which the most significant are listed below:

- QS is issued to persons and is specific to one of three vessel categories. Under most circumstances, QS from one vessel category cannot be transferred to another vessel category. Rules that allow special catcher vessel category “swaps” are discussed in more detail below.
- Some QS is issued in nonseverable “blocks.” A person may hold a maximum of two blocks of QS in an area, and persons with two blocks may not hold unblocked QS in that area; small blocks may be “swept” together to a maximum size block. These rules are also discussed in more detail below.<sup>9</sup>
- The program restricts who may buy catcher vessel QS are restricted. Only those who were originally issued catcher vessel QS or those who qualify as IFQ crew members by working for 150 days on the harvesting crew in any U.S. commercial fishery may buy catcher vessel QS.<sup>10</sup> Purchases of freezer vessel QS are not restricted in this way. The only corporations, partnerships or other business entities that may acquire more catcher vessel QS are those that were initial QS recipients. An exception to these rules occurs when an individual transfers his/her own QS to his/her own solely owned corporation.<sup>11</sup>
- From 1995 through 1996, no person could use, individually or collectively, more than 1% of the combined total sablefish QS of all regulatory areas unless the amount in excess of 1% was received at initial allocation. In the Southeast regulatory area, no person could

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<sup>8</sup> Sweep-ups” of small QS blocks are covered in detail in Chapter 6.

<sup>9</sup> See 50 CFR 679.42 (g)

<sup>10</sup> See 50 CFR 679.41 (g) “IFQ crew” are defined in 50 CFR 679.2

<sup>11</sup> See 50 CFR 679.42(j) and 50 CFR 679.41(g)(3)

use, individually or collectively, an amount of sablefish QS that was more than 1% of the total for that area, unless the amount in excess was received at initial allocation.<sup>12</sup>

The sablefish IFQ program created nonseverable “blocks” of QS that constrain QS consolidation. Persons received their QS in a block if their initial QS allocation resulted in less than 20,000 pounds of sablefish IFQ.<sup>13</sup> Blocks cannot be broken up for transfer; all the QS in a block has to be sold or passed on to another person as a single unit. A person can hold a maximum of two blocks in an area, but a person with two blocks cannot hold any unblocked QS for the area. The regulations allow persons to combine, or “sweep-up,” more than two blocks if their combined total is worth less than 5,000 pounds of a hypothetical sablefish IFQ.<sup>14</sup> These sweep-ups are discussed in more detail in Chapter 6.

The IFQ program also included provisions that set aside part or all of the TACs in the Bering Sea and Aleutian Islands management areas for community development quotas (CDQs). Setting aside TAC for CDQs effectively reduced the harvest limits of individuals who were initially allocated QS in those areas.<sup>15</sup> The IFQ plan contained provisions designed to compensate QS holders for this reduction. The goal of the plan was to spread the burden of the CDQs equally among all persons who initially received sablefish QS. Compensation was provided by giving persons receiving QS in the CDQ areas (Bering Sea and Aleutian Islands) additional QS in each of the management areas in which CDQs were not allocated (Southeast, West Yakutat, Central Gulf and Western Gulf).

Some persons who received CDQ compensation QS in the Southeast, West Yakutat, Central Gulf, and Western Gulf management areas already had QS in one or more of those areas. When this occurred, their CDQ compensation was rolled into their existing QS holding. It was either “blocked” or “unblocked” depending upon the size of the combined holding. However, in many cases persons received CDQ compensation QS in areas where they had not previously fished or were issued regular QS. When this occurred, a person’s catcher vessel CDQ compensation was unblocked and “swappable” to another catcher vessel category upon the first transfer. Moreover, this “swappable” catcher vessel CDQ compensation QS can be used on any size catcher vessel until it is swapped or transferred. These rules facilitate the transfer and use of CDQ compensation QS.<sup>16</sup> Because of the CDQ compensation “swap” regulation, the total amount of QS may change in an area and vessel category after initial allocation. Such changes do not affect the management area totals, however, because the QS is only being “swapped” between catcher vessel categories and does not transfer outside the area.

In January 1996, the Council approved a “fish down” amendment that allows catcher vessel QS to be used on vessels of the same vessel size class or smaller. The Council did this to allow more flexibility for QS holders to acquire more catcher vessel QS. The amendment allowed the use of larger vessel category QS on smaller vessels, except in the Southeast area where “fish down” of category B (larger than 60 feet) QS is allowed only for blocks worth less than 5,000 pounds

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<sup>12</sup> See 50 CFR 679.42(e)

<sup>13</sup> See 50 CFR 679.40(a)(1). The 20,000 pounds is actually a hypothetical IFQ based on 1994 TACs and the amount of the QS in the QS pool on October 17, 1994. The sablefish QS equivalent calculated for this blocking limit is worth different amounts of IFQ each year as TACs and the amount of QS in the QS pool changes.

<sup>14</sup> The original sweep-up limit was 3,000 pounds. In April 1996, the Council approved an amendment that increased the sweep-up limit to 5,000 pounds. This regulation is now incorporated into 50 CFR 679.41(e). The 5,000 pounds of hypothetical IFQ was based upon 1996 TACs and the QS pool as of January 31, 1996. The regulation translates the rule into a specific amount of QS units for each management area effective December 31, 1996.

<sup>15</sup> The CDQ regulations are contained in 50 CFR 679.30 and 50 CFR 679.31(b) and (c). The provisions for CDQ compensation are contained in 50 CFR 679.41(i).

<sup>16</sup> See 50 CFR 679.41(i)

(based upon 1996 quotas). This amendment became effective August 16, 1996.<sup>17</sup> A later amendment removed the Southeast fish down restriction to provide greater operational flexibility and harvest efficiency.<sup>18</sup>

Table 2-1a provides an overview of the distribution of sablefish QS at initial allocation and at the year end of 2014. It shows the amount of QS and the number of QS holders in each area, along with the change and percent change from initial issuance through year-end 2014.

The negative net changes in total QS in three of the six areas are the result of NOAA-RAM QS revocations. Revocations do not occur until the QS holder has been given an opportunity to appeal an administrative revocation decision, or until after a civil penalty has been levied by the agency.

Even as initial issues left the program new entrants acquired qs lowering the balance of the number of QS holders in all areas. The greatest decline in QS holders, both by numbers and percent has been in the Southeast, West Yakutat, and Central Gulf areas. The decline in QS holders has been less in the other areas, ranging from 31.9% of the total persons who were initially issued QS in the Aleutian Islands area to 29 % of the total initial issuees in the Bering Sea.

Table 2-1b provides further data on QS consolidation. Consolidation of QS holdings is indicated by the increase in the average and median QS holdings from initial issuance to the end of 2014. The average and median QS holdings rose in all areas.

Table 2-1b also shows that the median QS holdings in all areas were substantially lower than the average QS holdings, indicating a skewness toward persons with small holdings.

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<sup>17</sup> See 50 CFR 679.40(a)(5)(ii) and 679.42(a)

<sup>18</sup> 72 FR 44795, August 9, 2007

**Table 2-1a. Initial Issuance and Year-end 2014 QS and QS Holders,  
By Management Area**

Area	Initial Amount of QS Units	2014 Year-end QS Units	Net Change in Total QS Units	Percent Change QS Units	Initial QS Holders	2014 Year-end QS Holders	Person Net Change	Percent Change QS Holders
Southeast	66,598,479	66,120,619	477,860	0.7%	715	389	-326	-45.6%
W. Yakutat	53,470,436	53,266,430	204,006	0.4%	456	232	-224	-49.1%
C. Gulf	111,544,461	111,686,622	-142,161	-0.1%	643	365	-278	-43.2%
W. Gulf	36,086,355	36,029,579	56,776	0.2%	232	159	-73	-31.5%
Bering Sea	18,626,676	18,765,280	-138,604	-0.7%	145	100	-45	-31.0%
Aleutians	31,518,176	31,932,492	-414,316	-1.3%	135	87	-48	-35.6%

**Table 2-1b. Consolidation of Sablefish QS Holdings from Initial Allocation Through  
Year-end 2014, By Management Area**

Area	Initial Median QS Held	2014 Year-end Median QS	Net Change in Median QS Units	Percent Change Median QS	Initial Average QS Held	2014 Year-end Avg. QS	Net Change in Avg. QS Units	Percent Change Avg. QS Units
Southeast	23,613	36,813	13,200	55.9%	93,145	169,976	76,831	82.5%
W. Yakutat	15,798	43,277	27,479	173.9%	117,260	229,597	112,337	95.8%
C. Gulf	22,462	58,423	35,961	160.1%	173,475	305,991	132,516	76.4%
W. Gulf	10,361	60,142	49,781	480.5%	155,545	226,601	71,056	45.7%
Bering Sea	47,421	56,025	8,604	18.1%	128,460	187,653	59,193	46.1%
Aleutians	60,930	81,967	21,037	34.5%	233,468	367,040	133,572	57.2%

## 2.2 QS Consolidation by Vessel Category

The sablefish IFQ program created three distinct vessel categories in each of the six sablefish regulatory areas. One vessel category consists of harvester-processor (called “freezers”) vessels; the other two consist of catcher vessels less than or equal to 60 feet and greater than 60 feet. Under most circumstances, QS cannot be transferred across vessel categories; however, the regulations provide for vessel category “swaps” of catcher vessel CDQ compensation QS on first transfer.<sup>19</sup>

In January 1996, the Council approved a “fish down” amendment that allows catcher vessel QS to be used on vessels of the same vessel size class or smaller. The Council did this to allow more flexibility for QS holders using small vessels or small vessel owners to acquire (or host respectively) more catcher vessel QS. The amendment allows the use of larger vessel category QS on smaller vessels, except in the Southeast area where “fish down” of category B (larger than 60 feet) QS is allowed only for blocks equivalent to less than 5,000 pounds (based upon 1996 quotas). This amendment became effective August 16, 1996.<sup>20</sup> The Southeast fish down exception was eliminated in 2007.

Tables 2-2a and 2-2b show that at initial issuance sablefish QS had been issued in 18 different area/vessel category combinations. A person may hold QS in more than one vessel category in an

<sup>19</sup> IFQ from swappable catcher vessel CDQ compensation QS can be fished from any catcher vessel category and can be permanently “swapped” to another catcher vessel category upon the first transfer. See CFR 679.41 (i).

<sup>20</sup> See 50 CFR 679.40(a)(5)(ii) and 679.42 (a).

area. For this reason, the sum of the QS holders in the different area/vessel category combinations can be greater than the number of unique persons who hold QS in the area, as reported in Table 2-1a and other tables in this report.

**TABLE 2-2A. INITIAL ALLOCATION AND YEAR-END 2014 QS BY MANAGEMENT AREA AND VESSEL CATEGORY**

Area	Vessel Category	Initial Amount of QS	2014 Amount of QS	Initial Pct. of Area QS	2014 Pct. of Area QS	Change in Total QS	Percent Change in Total QS
SOUTHEAST	FREEZER	6,370,329	6,133,979	9.6%	9.3%	-236,350	-3.7%
	GT 60 FT.	13,712,648	13,435,260	20.6%	20.3%	-277,388	-2.0%
	LE 60 FT.	46,515,502	46,551,380	69.8%	70.4%	35,878	0.1%
		-----	-----			-----	
		66,598,479	66,120,619		477,860	-477,860	
W. YAKUTAT	FREEZER	4,364,968	4,373,738	8.2%	8.2%	8,770	0.2%
	GT 60 FT.	32,475,321	32,262,359	60.7%	60.6%	-212,962	-0.7%
	LE 60 FT.	16,630,147	16,630,333	31.1%	31.2%	186	0.0%
		-----	-----			-----	
		53,470,436	53,266,430		204,006	-204,006	
C. GULF	FREEZER	17,110,532	17,557,104	15.3%	15.7%	446,572	2.6%
	GT 60 FT.	53,292,049	53,057,658	47.8%	47.5%	-234,391	-0.4%
	LE 60 FT.	41,141,880	41,071,860	36.9%	36.8%	-70,020	-0.17%
		-----	-----			-----	
		111,544,461	111,686,622		-142,161	142,161	
W. GULF	FREEZER	13,686,455	13,671,401	37.9%	37.9%	-15,054	-0.1%
	GT 60 FT.	15,587,631	15,596,926	43.2%	43.3%	9,295	0.1%
	LE 60 FT.	6,812,269	6,761,252	18.9%	18.8%	-51,017	-0.7%
		-----	-----			-----	
		36,086,355	36,029,579		56,776	-56,776	
BERING SEA	FREEZER	7,288,858	7,470,227	39.1%	39.8%	181,369	2.5%
	GT 60 FT.	7,794,808	7,754,799	41.8%	41.3%	-40,009	-0.5%
	LE 60 FT.	3,543,010	3,540,254	19.0%	18.9%	-2,756	-0.1%
		-----	-----			-----	
		18,626,676	18,765,280		-138,604	138,604	

Table 2-2a indicates that in the Southeast area, use of vessels 60 feet or less resulted in more QS than did other vessel categories. In the Aleutians, most of QS was issued in the freezer vessel category. In all other areas, the greatest percentage of QS was issued in the “over 60 feet” vessel

category. As expected, at the end of 2014 the greatest percentage of the QS was still held in these same vessel categories in their respective areas.

As explained previously, changes in QS distribution between vessel classes are necessarily small because QS transfers across vessel categories are only allowed by special rules for the “swap” of CDQ compensation QS. Quota share revocations may also change the amount of QS within a vessel category between initial issuance and year-end 2014.

Table 2-2b shows the initial and 2014 year-end distribution of QS holders in each area/ vessel category combination. It also indicates average QS holdings, changes in the number of persons, and average QS holdings in each vessel category. There were often considerable differences between the percentage of QS issued in a vessel category and the percentage of total area QS holders who hold QS at that category. For example, 63.5% of the persons who were initially issued QS in the West Yakutat area received their QS in the “less than or equal to 60 foot” vessel category, yet these persons held only 31.1% (Table 2-2a) of the total QS in the area. In contrast, relatively few persons in each area were issued QS in the freezer vessel category, but they were issued a proportionately larger percentage of the area QS due to the larger capacity of freezer vessels on what type of QS was historically earned.

**TABLE 2-2B. INITIAL ALLOCATION AND YEAR-END 2014 QS HOLDERS BY MANAGEMENT AREA AND VESSEL CATEGORY**

AREA	VESSEL CATEGORY	INITIAL NUMBER OF QS HOLDERS	2014 NUMBER OF QS HOLDERS	INITIAL PCT. OF AREA QS HOLDERS	2014 PCT. OF AREA QS HOLDERS	CHANGE IN QS HOLDERS	PERCENT CHANGE IN QS HOLDERS	INITIAL AVG. QS HOLDINGS	2014 AVG. QS HOLDINGS	CHANGE IN AVG. QS HOLDINGS	PCT. CHANGE AVG. QS HOLDINGS
SOUTHEAST	FREEZER	44	35	6.2%	8.4%	-9.0	-20.5%	144,007	175,257	31,250	21.7%
	GT 60 FT.	118	82	16.5%	19.7%	-36.0	-30.5%	116,201	163,842	47,641	41.0%
	LE 60 FT.	551	300	77.3%	71.9%	-251.0	-45.6%	84,259	155,172	70,913	84.2%
		----- 713	----- 417	0.0%	0.0%	----- -296.0	----- -41.5%				
W. YAKUTAT	FREEZER	33	29	7.3%	11.1%	-4.0	-12.1%	132,272	150,819	18,547	14.0%
	GT 60 FT.	133	101	29.2%	38.7%	-32.0	-24.1%	244,170	319,429	75,259	30.8%
	LE 60 FT.	<u>289</u>	131	63.5%	50.2%	-158.0	-54.7%	57,416	126,949	69,533	121.1%
		----- 455	----- 261			----- -194.0	----- -42.6%				
C. GULF	FREEZER	41	45	6.3%	10.9%	4.0	9.8%	417,330	390,158	-27,172	-6.5%
	GT 60 FT.	192	156	29.7%	37.9%	-36.0	-18.8%	277,466	340,113	62,647	22.6%
	LE 60 FT.	<u>413</u>	211	63.9%	51.2%	-202.0	-48.9%	99,500	194,653	95,153	95.6%
		----- 646	----- 412			----- -234.0	----- -36.2%				
W. GULF	FREEZER	32	35	13.7%	19.7%	3.0	9.4%	427,702	390,611	-37,091	-8.7%
	GT 60 FT.	102	79	43.8%	44.4%	-23.0	-22.5%	152,815	197,429	44,614	29.2%
	LE 60 FT.	<u>99</u>	64	42.5%	36.0%	-35.0	-35.4%	68,811	105,645	36,834	53.5%
		----- 233	----- 178			----- -55.0	----- -23.6%				
BERING SEA	FREEZER	26	27	17.9%	25.2%	1.0	3.8%	280,341	276,675	-3,666	-1.3%
	GT 60 FT.	63	42	43.4%	39.3%	-21.0	-33.3%	123,385	184,638	61,253	49.6%
	LE 60 FT.	<u>56</u>	38	38.6%	35.5%	-18.0	-32.1%	63,268	93,165	29,897	47.3%
		----- 145	----- 107			----- -38.0	----- -26.2%				
ALEUTIANS	FREEZER	27	27	20.0%	27.3%	0.0	0.0%	604,757	664,899	60,142	9.9%
	GT 60 FT.	63	43	46.7%	43.4%	-20.0	-31.7%	202,136	263,247	61,111	30.2%
	LE 60 FT.	<u>45</u>	29	33.3%	29.3%	-16.0	-35.6%	66,514	91,744	25,230	37.9%
		----- 135	----- 99			----- -36.0	----- -26.7%				

In nearly all vessel categories and areas, the number of QS holders whether or not initially issued declined from initial issuance to the end of 2014. The freezer vessel category in the Aleutian Islands area was the only instance in which the number of QS holders stayed the same or increased even slightly.

The greatest amount of consolidation occurred, both numerically and on a percent basis, in Southeast, West Yakutat, and the Central Gulf. Note that these are management areas with both the largest numbers of initial issuees and in which persons received CDQ compensation QS at initial issuance. Many of the persons who were issued CDQ compensation received only small amounts of QS in areas in which they had no prior history of fishing. It is likely that a considerable amount of this QS was transferred (see Chapter 7), contributing to the relatively greater decrease in the number of QS holders in these areas. Other factors also contributed to the decrease.

As one would expect, average QS holdings increased in all of the areas and vessel categories where there were declines in the number of QS holders. Changes in average QS holdings will also be affected by QS revocations. If the QS pool is decreased by QS revocations, then average QS holdings will also decrease. Therefore, QS revocations can partly offset increases in average holdings due to consolidation.

## 2.3 QS Consolidation by Size of QS Holding

The tables in this section provide information on QS distribution at initial issuance and year-end 2014 by area and the relative size of the QS holding. Quota share holdings are classified into nine distinct size categories based upon their percentage of the total QS pool in the area. It is important to remember that a unit of QS translates into different amounts of IFQ in each area.

The IFQ program rules constrain how much QS a single person may accumulate. No person, individually or collectively, may use more than 1% of the combined total sablefish QS of all management areas unless the amount in excess of 1% was received at initial allocation. In the Southeast management area, no person may use, individually or collectively, an amount of sablefish QS that is more than 1% of the total for this area, unless the amount in excess was received at initial issuance.<sup>21</sup>

Table 2-3a indicates that 35.8% of the QS in the Southeast area was issued to persons who held less than .25 percent of the total area QS; whereas in the West Yakutat and Central Gulf areas, 18.8% and 22.9% of the respective area QS fell into this classification. In the Western Gulf, Bering Sea, and Aleutian Islands QS holdings were distributed among a wider range of the size classifications.

**TABLE 2-3A. INITIAL ALLOCATION AND YEAR-END 2014 QS BY MANAGEMENT AREA**

AREA	PERCENT OF AREA QS	INITIAL AMOUNT OF QS	2014 AMOUNT OF QS	INITIAL PCT. OF AREA QS	2014 PCT. OF AREA QS	CHANGE IN TOTAL QS	PERCENT CHANGE IN QS
SOUTHEAST	% < .25	23,865,508	13,573,764	35.8%	20.5%	-10,291,744	-43.1%

<sup>21</sup> See 50 CFR 679.42(e) and 50 CFR 679.41 (c)(6)

	.25 <= % < .5	17,643,910	20,113,190	26.5%	30.4%	2,469,280	14.0%
AREA	PERCENT OF AREA QS	INITIAL AMOUNT OF QS	2014 AMOUNT OF QS	INITIAL PCT. OF AREA QS	2014 PCT. OF AREA QS	CHANGE IN TOTAL QS	PERCENT CHANGE IN QS
	.5 <= % < 1.0	17,622,708	26,117,710	26.5%	39.5%	8,495,002	48.2%
	1.0 <= % < 2.0	6,041,330	4,890,932	9.1%	7.4%	-1,150,398	-19.0%
	2.0 <= % < 3.0	1,425,023	1,425,023	2.1%	2.2%	0	0.0%
		-----	-----			-----	
		66,598,479	66,120,619	477,860		-477,860	
W. YAKUTAT	% < .25	10,038,770	5,813,579	18.8%	10.9%	-4,225,191	-42.1%
	.25 <= % < .5	8,894,806	5,948,403	16.6%	11.2%	-2,946,403	-33.1%
	.5 <= % < 1.0	10,684,258	12,513,517	20.0%	23.5%	1,829,259	17.1%
	1.0 <= % < 2.0	16,636,299	21,494,512	31.1%	40.4%	4,858,213	29.2%
	2.0 <= % < 3.0	7,216,303	5,779,919	13.5%	10.9%	-1,436,384	-19.9%
	3.0 <= % < 4.0	0	1,716,500	0.0%	3.2%	1,716,500	na
		-----	-----			-----	
		53,470,436	53,266,430	204,006		-204,006	
C. GULF	% < .25	25,492,004	15,982,337	22.9%	14.3%	-9,509,667	-37.3%
	.25 <= % < .5	25,015,958	21,069,473	22.4%	18.9%	-3,946,485	-15.8%
	.5 <= % < 1.0	40,873,484	40,203,389	36.6%	36.0%	-670,095	-1.6%
	1.0 <= % < 2.0	17,570,412	31,915,736	15.8%	28.6%	14,345,324	81.6%
	2.0 <= % < 3.0	2,592,603	2,515,687	2.3%	2.3%	-76,916	-3.0%
		-----	-----			-----	
		111,544,461	111,686,622	-142,161		142,161	
W. GULF	% < .25	3,556,667	1,832,468	9.9%	5.1%	-1,724,199	-48.5%
	.25 <= % < .5	4,240,214	3,742,975	11.8%	10.4%	-497,239	-11.7%
	.5 <= % < 1.0	5,216,893	6,204,466	14.5%	17.2%	987,573	18.9%
	1.0 <= % < 2.0	5,582,068	9,076,742	15.5%	25.2%	3,494,674	62.6%
	2.0 <= % < 3.0	3,705,934	3,568,369	10.3%	9.9%	-137,565	-3.7%
	3.0 <= % < 4.0	7,539,696	5,054,011	20.9%	14.0%	-2,485,685	-33.0%
	4.0 <= % < 5.0	-	4,569,949	0.0%	12.7%	4,569,949	0.0%
	5.0 <= % < 10	1,980,599	1,980,599	5.5%	5.5%	0	0.0%
	% >= 10	4,264,284	-	11.8%	0.0%	-4,264,284	-100.0%
		-----	-----			-----	
		36,086,355	36,029,579	56,776		-56,776	
BERING SEA	% < .25	1187823	585,056	6.4%	3.1%	-602,767	-50.7%
	.25 <= % < .5	1732163	1,075,886	9.3%	5.7%	-656,277	-37.9%
	.5 <= % < 1.0	1867212	1,344,839	10.0%	7.2%	-522,373	-28.0%
	1.0 <= % < 2.0	4601014	5,833,772	24.7%	31.1%	1,232,758	26.8%
	2.0 <= % < 3.0	1311894	2,270,980	7.0%	12.1%	959,086	73.1%
	3.0 <= % < 4.0	3431274	1,991,837	18.4%	10.6%	-1,439,437	-42.0%
	4.0 <= % < 5.0	1690292	803,499	9.1%	4.3%	-886,793	-52.5%
	5.0 <= % < 10	2805004	4,859,411	15.1%	25.9%	2,054,407	73.2%
		-----	-----			-----	
		18,626,676	18,765,280	-138,604		138,604	
ALEUTIANS	% < .25	1,933,843	1,212,610	6.1%	4.8%	-721,233	-37.3%
	.25 <= % < .5	1,913,446	2,118,444	6.1%	8.3%	204,998	10.7%
	.5 <= % < 1.0	3,090,361	878,043	9.8%	3.4%	-2,212,318	-71.6%
	1.0 <= % < 2.0	8,440,549	3,538,250	26.8%	13.9%	-4,902,299	-58.1%
	2.0 <= % < 3.0	3,550,927	5,273,826	11.3%	20.7%	1,722,899	48.5%

AREA	PERCENT OF AREA QS	INITIAL AMOUNT OF QS	2014 AMOUNT OF QS	INITIAL PCT. OF AREA QS	2014 PCT. OF AREA QS	CHANGE IN TOTAL QS	PERCENT CHANGE IN QS
	3.0 <= % < 4.0	2,041,047	5,837,229	6.5%	22.9%	3,796,182	186.0%
	4.0 <= % < 5.0	-		0.0%	0.0%	0	0.0%
	5.0 <= % < 10	3,008,437	6,614,648	9.5%	26.0%	3,606,211	119.9%
	% >= 10	7,539,566	0	23.9%	0.0%	-7,539,566	-100.0%
		-----	-----			-----	
		31,518,176	25,473,050	6,045,126	100.0%	-6,045,126	

Table 2-3b provides similar information, but shows the number of persons at initial issuance and year-end 2014, by management area and relative size of QS holding. The table shows that in all areas the greatest number of QS holders fall into the “less than .25%” classification, especially in the Southeast, West Yakutat, and Central Gulf areas. For example, in the Southeast area, 83.4% of the persons were issued QS in amounts that represented less than 35.8% of the total area QS. The number of persons who were issued less than 25 % of the total area QS dropped significantly in all areas after initial issuance. This is due mainly to QS consolidations.

There were relatively few persons who held large percentages of an area’s QS pool. All of the persons who held percentages larger than 3% at initial issuance and at the end of 2014 were in the Western Gulf, Bering Sea, and Aleutian Islands. There were relatively few initial recipients in these areas.

**TABLE 2-3 B. INITIAL QS HOLDERS AND YEAR-END 2014 QS BY MANAGEMENT AREA**

AREA	PERCENT OF AREA QS	INITIAL AMOUNT OF QS	2014 AMOUNT OF QS	INITIAL PCT. OF AREA QS	2014 PCT. OF AREA QS	CHANGE IN TOTAL QS	PERCENT CHANGE IN QS
SOUTHEAST	% < .25	596	244	83.4%	62.7%	-352	-59.1%
	.25 <= % < .5	74	84	10.3%	21.6%	10	13.5%
	.5 <= % < 1.0	37	54	5.2%	13.9%	17	45.9%
	1.0 <= % < 2.0	7	6	1.0%	1.5%	-1	-14.3%
	2.0 <= % < 3.0	1	1	0.1%	0.3%	0	0.0%
		-----	-----			-----	
		715	389	326		-326	
W. YAKUTAT	% < .25	352	134	77.2%	58.0%	-218	-61.9%
	.25 <= % < .5	45	32	9.9%	13.9%	-13	-28.9%
	.5 <= % < 1.0	30	32	6.6%	13.9%	2	6.7%
	1.0 <= % < 2.0	23	28	5.0%	12.1%	5	21.7%
	2.0 <= % < 3.0	6	5	1.3%	2.2%	-1	-16.7%
	3.0 <= % < 4.0	0	1	0.0%	0.4%	1	na
		-----	-----			-----	
		456	231	225		-224	
C. GULF	% < .25	516	239	80.2%	65.5%	-277	-53.7%
	.25 <= % < .5	60	51	9.3%	14.0%	-9	-15.0%

AREA	PERCENT OF AREA QS	INITIAL AMOUNT OF QS	2014 AMOUNT OF QS	INITIAL PCT. OF AREA QS	2014 PCT. OF AREA QS	CHANGE IN TOTAL QS	PERCENT CHANGE IN QS
	.5 <= % < 1.0	54	52	8.4%	14.2%	-2	-3.7%
	1.0 <= % < 2.0	12	22	1.9%	6.0%	10	83.3%
	2.0 <= % < 3.0	1	1	0.2%	0.3%	0	0.0%
		-----	-----			-----	
		643	365	278		-278	
W. GULF	% < .25	153	76	65.7%	49.0%	-77	-50.3%
	.25 <= % < .5	36	31	15.5%	20.0%	-5	-13.9%
	.5 <= % < 1.0	21	23	9.0%	14.8%	2	9.5%
	1.0 <= % < 2.0	11	17	4.7%	11.0%	6	54.5%
	2.0 <= % < 3.0	4	4	1.7%	2.6%	0	0.0%
	3.0 <= % < 4.0	6	4	2.6%	2.6%	-2	-33.3%
	4.0 <= % < 5.0	0	3	0.0%	1.9%	3	0.0%
	5.0 <= % < 10	1	1	0.4%	0.6%	0	0.0%
	% >= 10	1	-	0.4%	0.0%	-1	-100.0%
		-----	-----			-----	
		233	155	78		-74	
BERING SEA	% < .25	74	40	51.0%	40.0%	-34	-45.9%
	.25 <= % < .5	27	16	18.6%	16.0%	-11	-40.7%
	.5 <= % < 1.0	14	9	9.7%	9.0%	-5	-35.7%
	1.0 <= % < 2.0	18	22	12.4%	22.0%	4	22.2%
	2.0 <= % < 3.0	3	5	2.1%	5.0%	2	66.7%
	3.0 <= % < 4.0	5	3	3.4%	3.0%	-2	-40.0%
	4.0 <= % < 5.0	2	1	1.4%	1.0%	-1	-50.0%
	5.0 <= % < 10	2	4	1.4%	4.0%	2	100.0%
		0	-----			-----	
		145	100	45		-45	
ALEUTIANS	% < .25	75	40	55.6%	47.1%	-35	-46.7%
	.25 <= % < .5	17	18	12.6%	21.2%	1	5.9%
	.5 <= % < 1.0	14	4	10.4%	4.7%	-10	-71.4%
	1.0 <= % < 2.0	19	8	14.1%	9.4%	-11	-57.9%
	2.0 <= % < 3.0	5	7	3.7%	8.2%	2	40.0%
	3.0 <= % < 4.0	2	5	1.5%	5.9%	3	150.0%
	4.0 <= % < 5.0	0	-	0.0%	0.0%	0	0.0%
	5.0 <= % < 10	1	3	0.7%	3.5%	2	200.0%
	% >= 10	2	0	1.5%	0.0%	-2	-100.0%
		-----	-----			-----	
		135	85	50		-50	

### 3 Sablefish: QS Transfers and QS Prices

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Permanent transferability of QS is an important feature of the IFQ program. Transfers allow QS to move to persons who feel that they can use it more profitably and to consolidate QS holdings and fishing operations. This chapter looks at the extent of permanent transfers and the prices paid for QS in permanent transactions during the first 19 years of the program.

Section 3.1 presents data on the volume and rate of permanent QS transfers and on the number and percentage of persons who transferred QS, by management area, from 1995 through 2014.

Section 3.2 presents similar data on QS transfer rates and on QS holder transfer rates, by management area and vessel category from 1995 through 2014. In this section tables, “LE” means “less than or equal to” and GT means “greater than”. Categories refer to the length overall at the vessel on which IFQ generally may be fished.

Section 3.3 presents estimates of average prices for permanent QS transfers broken out by management area, vessel category, and year.

#### 3.1 Transfer Rates by Area

Table 3-1 displays data on QS transfer rates and on QS holder transfer rates for each management area and year from 1995 through 2014, and for all 19 years together. The table contains information on the QS holdings at the end of each year, the total QS permanently transferred, the QS transfer rate, the total number of QS holders at the end of the year, the total number of QS holders who transferred QS (transferors), and the rate at which QS holders transferred QS. The QS transfer rates are the ratios of QS transferred to QS held at the end of the year, expressed as a percentage. The QS holder transfer rate is the ratio of QS transferors to total QS holders at the end of the year, expressed as a percentage. These data reflect total units transferred even if a particular unit is transferred more than once. “All Year” data reflect sums of annual QS and QS holders and QS transferors, not numbers of unique QS units or persons.

Table 3-1 shows a substantial volume of permanent QS transfers. Over all 19 years combined, the QS transfer rates range from a low of 4.5% in the West Yakutat area, to a high of 12.3 % in the Bering Sea area. No single area appeared to consistently have the lowest or highest QS transfer rate during the different years.

**Table 3-1. Sablefish QS Transfer Rates by Area and Year**

Area	Year	Year-end Total QS	QS Transferred	QS Transfer Rate (%)	Year-end Total QS Holders	QS Transferors	QS holder Transfer Rate (%)
Southeast	1995	65,352,762	5,897,820	9.0%	656	141	21.5%
	1996	65,829,475	5,784,397	8.8%	608	120	19.7%
	1997	65,938,762	5,115,313	7.8%	553	105	19.0%
	1998	65,967,848	3,403,226	5.2%	525	52	9.9%
	1999	66,030,961	5,353,658	8.1%	505	58	11.5%
	2000	66,030,961	3,357,915	5.1%	489	50	10.2%
	2001	66,030,961	2,769,929	4.2%	482	34	7.1%
	2002	66,119,746	5,910,683	8.9%	479	47	9.8%

Area	Year	Year-end Total QS	QS Transferred	QS Transfer Rate (%)	Year-end Total QS Holders	QS Transferors	QS holder Transfer Rate (%)
Southeast	2003	66,119,746	5,665,033	8.6%	479	67	14.0%
	2004	66,120,619	3,412,202	5.2%	462	34	7.4%
	2005	66,120,619	6,198,521	9.4%	450	52	11.6%
	2006	66,120,619	3,382,637	5.1%	439	40	9.1%
	2007	66,120,619	3,634,442	5.5%	432	48	11.1%
	2008	66,120,619	2,649,515	4.0%	427	34	8.0%
	2009	66,120,619	2,216,524	3.4%	418	26	6.2%
	2010	66,120,619	2,544,977	3.8%	411	29	7.1%
	2011	66,120,619	2,429,152	3.7%	410	31	7.6%
	2012	66,120,619	1,787,156	2.7%	405	21	5.2%
	2013	66,120,619	1,008,558	1.5%	400	16	4.0%
	2014	66,120,619	2,973,842	4.5%	389	37	9.5%
	All Yrs	1,320,748,031	75,495,500	5.7%	9,419	1,042	11.1%
W. Yakutat	1995	52,597,269	3,278,470	6.2%	420	69	16.4%
	1996	53,028,226	3,851,410	7.3%	392	75	19.1%
	1997	53,116,620	4,143,981	7.8%	350	83	23.7%
	1998	53,207,225	2,113,715	4.0%	341	30	8.8%
	1999	53,231,066	3,657,142	6.9%	320	52	16.3%
	2000	53,231,066	2,844,326	5.3%	303	38	12.5%
	2001	53,231,066	1,911,032	3.6%	300	18	6.0%
	2002	53,267,935	2,470,596	4.6%	296	23	7.8%
	2003	53,267,935	2,378,558	4.5%	287	31	10.8%
	2004	53,266,430	1,167,589	2.2%	280	16	5.7%
	2005	53,266,430	2,306,911	4.3%	276	31	11.2%
	2006	53,266,430	1,229,664	2.3%	265	27	10.2%
	2007	53,266,430	3,897,266	7.3%	259	23	8.9%
	2008	53,266,430	1,445,259	2.7%	247	8	3.2%
	2009	53,266,430	833,833	1.6%	245	9	3.7%
	2010	53,266,430	634,358	1.2%	240	13	5.4%
	2011	53,266,430	2,401,878	4.5%	238	22	9.2%
	2012	53,266,430	563,132	1.1%	238	9	3.8%
	2013	53,266,430	80,224	0.2%	236	5	2.1%
	2014	53,266,430	0	0.0%	232	0	0.0%
	All Yrs	1,064,109,138	41,209,344	3.9%	5,765	582	10.1%
C. Gulf	1995	107,635,310	7,833,476	7.3%	592	98	16.6%
	1996	109,997,846	9,401,578	8.5%	553	95	17.2%
	1997	110,873,858	11,371,524	10.3%	496	116	23.4%
	1998	111,032,423	4,623,131	4.2%	479	39	8.1%
	1999	111,619,720	7,787,875	7.0%	459	53	11.5%
	2000	111,765,502	8,526,477	7.6%	440	51	11.6%
	2001	111,619,720	9,709,804	8.7%	437	37	8.5%
	2002	111,668,048	7,673,777	6.9%	433	36	8.3%
	2003	111,668,048	7,987,054	7.2%	433	61	14.1%
	2004	111,686,632	3,752,505	3.4%	425	32	7.5%
	2005	111,686,632	3,934,249	3.5%	408	47	11.5%
	2006	111,686,632	7,289,316	6.5%	402	31	7.7%
	2007	111,686,632	8,250,192	7.4%	398	40	10.1%
	2008	111,686,632	5,498,800	4.9%	386	41	10.6%
	2009	111,686,632	4,878,303	4.4%	377	24	6.4%
	2010	111,686,632	3,466,203	3.1%	378	29	7.7%
	2011	111,686,632	2,912,023	2.6%	369	30	8.1%
	2012	111,686,632	2,995,859	2.7%	374	20	5.3%
	2013	111,686,632	1,717,930	1.5%	369	25	6.8%
	2014	111,686,622	3,031,211	2.7%	365	22	6.0%

Area	Year	Year-end Total QS	QS Transferred	QS Transfer Rate (%)	Year-end Total QS Holders	QS Transferors	QS holder Transfer Rate (%)
C. Gulf	All Yrs	2,226,433,417	122,641,287	5.5%	8,573	927	10.8%
W. Gulf	1995	35,196,842	1,908,499	5.4%	217	27	12.4%
	1996	35,793,302	3,493,549	9.8%	211	22	10.4%
	1997	35,935,239	2,537,045	7.1%	197	44	22.3%
	1998	35,951,012	2,046,738	5.7%	187	25	13.4%
	1999	36,028,233	2,826,432	7.8%	185	18	9.7%
	2000	36,029,105	2,224,416	6.2%	172	26	15.1%
	2001	36,029,105	5,792,429	16.1%	174	27	15.5%
	2002	36,029,105	3,006,399	8.3%	170	16	9.4%
	2003	36,029,105	3,022,785	8.4%	170	18	10.6%
	2004	36,029,579	2,988,363	8.3%	170	23	13.5%
	2005	36,029,579	3,388,895	9.4%	171	17	9.9%
	2006	36,029,579	3,153,465	8.8%	168	22	13.1%
	2007	36,029,579	4,749,844	13.2%	167	22	13.2%
	2008	36,029,579	2,872,840	8.0%	169	16	9.5%
	2009	36,029,579	5,814,621	16.1%	164	15	9.1%
	2010	36,029,579	3,311,012	9.2%	168	19	11.3%
	2011	36,029,579	1,911,138	5.3%	163	16	9.8%
	2012	36,029,579	1,183,875	3.3%	163	10	6.1%
	2013	36,029,579	1,426,060	4.0%	162	12	7.4%
	2014	36,029,579	0	0.0%	159	0	0.0%
	All Yrs	719,346,417	57,658,405	8.0%	3,507	395	11.3%
Bering Sea	1995	17,598,802	1,003,527	5.7%	138	13	9.4%
	1996	18,421,029	1,526,743	8.3%	135	8	5.9%
	1997	18,602,398	1,266,994	6.8%	131	10	7.6%
	1998	18,587,476	2,347,047	12.6%	128	7	5.5%
	1999	18,768,845	3,017,164	16.1%	127	13	10.2%
	2000	18,768,845	2,187,174	11.7%	115	19	16.5%
	2001	18,768,845	2,446,748	13.0%	115	13	11.3%
	2002	18,768,845	2,415,111	12.9%	112	13	11.6%
	2003	18,768,845	5,417,604	28.9%	112	22	19.6%
	2004	18,790,367	1,764,584	9.4%	112	7	6.3%
	2005	18,790,367	1,580,750	8.4%	115	11	9.6%
	2006	18,790,367	1,263,285	6.7%	113	12	10.6%
	2007	18,790,367	1,216,750	6.5%	113	12	10.6%
	2008	18,790,367	2,124,934	11.3%	110	14	12.7%
	2009	18,765,280	1,515,744	8.1%	105	13	12.4%
	2010	18,765,280	5,189,737	27.7%	101	18	17.8%
	2011	18,765,280	2,587,411	13.8%	103	17	16.5%
	2012	18,765,280	824,995	4.4%	102	7	6.9%
	2013	18,765,280	1,643,553	8.8%	102	6	5.9%
	2014	18,765,280	699,365	3.7%	100	5	5.0%
	All Yrs	373,597,445	42,039,220	11.3%	2,289	240	10.5%
Aleutians	1995	29,863,329	2,143,624	7.2%	125	14	11.2%
	1996	31,103,860	2,062,710	6.6%	130	9	6.9%
	1997	31,518,176	4,917,176	15.6%	124	17	13.7%
	1998	31,518,176	2,526,775	8.0%	119	17	14.3%
	1999	31,932,492	5,222,044	16.4%	112	14	12.5%
	2000	31,932,492	2,375,500	7.4%	103	19	18.4%
	2001	31,932,492	3,487,485	10.9%	96	15	15.6%
	2002	31,932,492	4,077,120	12.8%	97	9	9.3%
	2003	32,932,492	4,024,747	12.2%	97	10	10.3%
	2004	31,932,492	1,376,465	4.3%	97	5	5.2%
	2005	31,932,492	6,102,631	19.1%	99	11	11.1%

Area	Year	Year-end Total QS	QS Transferred	QS Transfer Rate (%)	Year-end Total QS Holders	QS Transferors	QS holder Transfer Rate (%)
Aleutians	2006	31,932,492	4,116,387	12.9%	98	10	10.2%
	2007	31,932,492	5,580,476	17.5%	94	13	13.8%
	2008	31,932,492	2,741,800	8.6%	92	10	10.9%
	2009	31,932,492	5,435,857	17.0%	94	11	11.7%
	2010	31,932,492	2,951,847	9.2%	93	10	10.8%
	2011	31,932,492	5,719,220	17.9%	92	10	10.9%
	2012	31,932,492	5,497,830	17.2%	90	14	15.6%
	2013	31,932,492	874,087	2.7%	90	8	8.9%
	2014	31,932,492	4,782,402	15.0%	87	7	8.0%
	All Yrs	635,923,413	76,016,183	12.0%	2,029	233	11.5%

The QS transfer rates for the 19 year period tended to be slightly lower than transfer rates for the State of Alaska limited entry permits. Over the years 1995 to 2014, the ratio of the total number of limited entry permit transfers to the total number of transferable permit-years, interpreted here as the permit transfer rate, was 8.4%. Annual average permit transfer rates during the period ranged from 5.8% to 13.3%.<sup>22</sup>

In four of the six management areas, the volume of QS transferred, and the QS transfer rate in 2014 both decreased, and the Western Yakutat and the Aleutians were the only area in which both volume and rate rose.

Table 3-1 also reports on the QS holder transfer rates. These are the rates derived from the ratios of the number of persons transferring QS to the total number of persons holding QS at the end of the calendar year. Over the 19 years combined, these rates ranged from a low of 11.2% in the Bering Sea and West Yakutat area to a high of 12.3% in the Western Gulf area.

In all but the Western Gulf and the Aleutians the number of QS transferors and the QS transferor rate dropped from 2007 to 2014. Some of these declines in QS transferors were substantial, and were likely due to overall consolidation of holders as initial issues left the fisheries.

QS holder transfer rates tended to be higher than the QS transfer rates, reflecting the overall trend toward fewer QS holders over time. In the Bering Sea area the QS transfer rate was slightly lower, while in the Southeastern area the QS holder transfer rate was slightly higher.

### 3.2 Transfer Rates by Area and Vessel Category

The annual QS and QS holder transfer rates for each area and vessel category are shown in Table 3-2. Data are provided for each year from 1995 through 2014, and for all 19 years together. The information shown in this table is similar to that presented in Table 3-1; however, observations include more detailed management area and vessel category breakouts, as opposed to the management area summaries presented in Table 3-1.

Table 3-2 contains information on the QS holdings at the end of each year, the total QS permanently transferred, the QS transfer rate, the total number of QS holders at the end of the year, the total number of QS holders who transferred QS (transferors), and the rate at which QS holders transferred QS. The QS transfer rates are the ratios of QS transferred to total QS held at

<sup>22</sup> M. Gho, K. Iverson. and C. Farrington. 2015. CFEC Report 15-3N-EXEC Executive Summary, Changes in the Distribution of Alaska's Commercial Fisheries Entry Permits, 1975 – 2014.. However, transfer rates of State of Alaska limited entry permits and sablefish QS units are not strictly comparable. Limited entry permits provide an all-or-nothing access to the fishery, and leasing is prohibited, except in emergency cases. Sablefish QS units may be leased and can be transferred in small amounts by persons who remain in the fishery.

the end of the year, expressed in percentage form. The QS holder transfer rate is the ratio of QS transferors to total QS holders at the end of the year, expressed as a percentage.

**Table 3-2. Sablefish QS Transfer Rates by Area, Vessel Class, and Year**

Area	Year	Vessel Class	Year-end Total QS	QS Transferred	QS Transfer Rate %	Year-end Total QS Holders	QS Transferors	QS holder Transfer Rate %
Southeast	1995	Freezer	6,070,255	270,348	4.5%	44	6	13.6%
		GT 60 ft.	13,542,232	1,017,460	7.5%	117	18	15.4%
		LE 60 ft.	45,740,275	4,610,012	10.1%	500	118	23.6%
	1996	Freezer	5,985,260	600,437	10.0%	41	9	22.0%
		GT 60 ft.	13,485,766	1,665,863	12.4%	110	20	18.2%
		LE 60 ft.	46,358,449	3,518,097	7.6%	463	91	19.7%
	1997	Freezer	6,041,780	325,355	5.4%	38	9	23.7%
		GT 60 ft.	13,460,403	661,090	4.9%	104	14	13.5%
		LE 60 ft.	46,436,579	4,128,868	8.9%	422	87	20.6%
	1998	Freezer	6,070,866	244,737	4.0%	40	3	7.5%
		GT 60 ft.	13,460,403	381,551	2.8%	102	7	6.9%
		LE 60 ft.	46,436,579	2,776,938	6.0%	397	42	10.6%
	1999	Freezer	6,133,979	142,072	2.3%	41	4	9.8%
		GT 60 ft.	13,434,040	692,747	5.2%	93	11	11.8%
		LE 60 ft.	46,462,942	4,450,439	9.6%	375	42	11.2%
	2000	Freezer	6,133,979	325,355	5.3%	41	4	9.8%
		GT 60 ft.	13,434,040	661,090	4.9%	93	10	10.8%
		LE 60 ft.	46,462,942	4,128,868	8.9%	375	36	9.6%
	2001	Freezer	6,133,979	88,970	1.5%	509	2	5.1%
		GT 60 ft.	13,434,040	469,488	3.5%	39	2	2.2%
		LE 60 ft.	46,462,942	2,211,471	4.8%	92	2	8.5%
	2002	Freezer	6,133,979	211,570	3.4%	365	31	8.5%
		GT 60 ft.	13,434,040	1,775,616	13.2%	39	4	10.3%
		LE 60 ft.	46,462,942	3,923,497	8.4%	91	12	13.2%
	2003	Freezer	6,133,979	117,078	1.9%	360	32	8.9%
		GT 60 ft.	13,434,040	1,403,887	10.5%	36	4	11.1%
		LE 60 ft.	46,551,727	4,144,068	8.9%	89	13	14.6%
	2004	Freezer	6,133,979	8,191	0.1%	354	51	14.4%
		GT 60 ft.	13,434,913	443,784	3.3%	35	1	2.9%
		LE 60 ft.	46,551,727	2,960,227	6.4%	87	5	5.7%
	2005	Freezer	6,133,979	54,897	0.9%	353	28	7.9%
		GT 60 ft.	13,434,913	1,830,994	13.6%	34	2	5.9%
		LE 60 ft.	46,551,727	4,312,630	9.3%	85	9	10.6%
	2006	Freezer	6,133,979	29,112	0.5%	343	42	12.2%
		GT 60 ft.	13,434,913	377,888	2.8%	34	2	5.9%
		LE 60 ft.	46,551,727	2,975,637	6.4%	84	4	4.8%
	2007	Freezer	6,133,979	505,891	8.2%	334	34	10.2%
		GT 60 ft.	13,435,064	395,164	2.9%	34	2	5.9%
		LE 60 ft.	46,551,576	2,733,387	5.9%	84	12	14.3%
	2008	Freezer	6,133,979	303,036	4.9%	328	35	10.7%
		GT 60 ft.	13,435,064	613,035	4.6%	36	4	11.1%
		LE 60 ft.	46,551,576	1,733,444	3.7%	82	11	13.4%
						323	21	6.5%

Area	Year	Vessel Class	Year-end Total QS	QS Transferred	QS Transfer Rate %	Year-end Total QS Holders	QS Transferors	QS holder Transfer Rate %
	2009	Freezer	6,133,979	643,820	10.5%	36	2	5.6%
		GT 60 ft.	13,435,064	837,472	6.2%	83	6	7.2%
		LE 60 ft.	46,551,576	735,232	1.6%	315	18	5.7%
	2010	Freezer	6,133,979	584,497	9.5%	37	4	10.8%
		GT 60 ft.	13,435,064	385,395	2.9%	81	4	4.9%
		LE 60 ft.	46,551,576	1,575,085	3.4%	313	21	6.7%
	2011	Freezer	6,133,979	154,093	2.5%	37	2	5.4%
		GT 60 ft.	13,435,064	794,031	5.9%	84	9	10.7%
		LE 60 ft.	46,551,576	1,481,028	3.2%	312	20	6.4%
	2012	Freezer	6,133,979	167,700	2.7%	37	2	5.4%
		GT 60 ft.	13,435,064	451,213	3.4%	84	4	4.8%
		LE 60 ft.	46,551,576	1,168,243	2.5%	312	16	5.1%
	2013	Freezer	6,133,979	37,257	0.6%	36	1	2.8%
		GT 60 ft.	13,435,064	57,696	0.4%	83	3	3.6%
		LE 60 ft.	46,551,576	913,605	2.0%	308	12	3.9%
	2014	Freezer	6,133,979	251,736	4.1%	35	3	8.6%
		GT 60 ft.	13,435,260	193,327	1.4%	82	4	4.9%
		LE 60 ft.	46,551,380	2,528,779	5.4%	300	31	10.3%
	All Yrs	Freezer	103,909,888	4,609,459	4.4%	642	64	10.0%
		GT 60 ft.	228,599,063	14,406,555	6.3%	1,561	167	10.7%
		LE 60 ft.	789,788,438	52,398,928	6.6%	6,232	749	12.0%
W. Yakutat	1995	Freezer	4,266,270	198,867	4.7%	33	4	12.1%
		GT 60 ft.	32,059,405	1,509,862	4.7%	123	16	13.0%
		LE 60 ft.	16,271,594	1,569,741	9.6%	268	49	18.3%
	1996	Freezer	4,279,728	484,520	11.3%	32	6	18.8%
		GT 60 ft.	32,170,690	1,546,931	4.8%	127	19	15.0%
		LE 60 ft.	16,577,808	1,819,959	11.0%	244	51	20.9%
	1997	Freezer	4,326,056	332,112	7.7%	32	7	21.9%
		GT 60 ft.	32,192,683	2,083,535	6.5%	119	28	23.5%
		LE 60 ft.	16,597,881	1,728,334	10.4%	211	54	25.6%
	1998	Freezer	4,349,897	92,123	2.1%	32	4	12.5%
		GT 60 ft.	32,261,525	1,389,662	4.3%	119	13	10.9%
		LE 60 ft.	16,595,803	631,930	3.8%	203	15	7.4%
	1999	Freezer	4,373,738	354,935	8.1%	30	8	26.7%
		GT 60 ft.	32,261,525	1,038,209	3.2%	112	16	14.3%
		LE 60 ft.	16,595,803	2,263,998	13.6%	181	31	17.1%
	2000	Freezer	4,373,738	88,257	2.0%	29	3	10.3%
		GT 60 ft.	32,261,525	1,096,698	3.4%	115	14	12.2%
		LE 60 ft.	16,595,803	1,659,371	10.0%	178	24	13.5%
	2001	Freezer	4,373,738	0		29		0.0%
		GT 60 ft.	32,261,525	1,439,126	4.5%	113	7	6.2%
		LE 60 ft.	16,595,803	471,906	2.8%	178	12	6.7%
	2002	Freezer	4,373,738	122,912	2.8%	29	2	6.9%
		GT 60 ft.	32,260,508	1,665,241	5.2%	112	10	8.9%
		LE 60 ft.	16,595,795	682,443	4.1%	177	11	6.2%

Area	Year	Vessel Class	Year-end Total QS	QS Transferred	QS Transfer Rate %	Year-end Total QS Holders	QS Transferors	QS holder Transfer Rate %
	2003	Freezer	4,373,738	90,979	2.1%	29	2	6.9%
		GT 60 ft.	32,260,508	1,617,995	5.0%	110	14	12.7%
		LE 60 ft.	16,632,664	669,584	4.0%	170	16	9.4%
	2004	Freezer	4,373,738	382,874	8.8%	29	2	6.9%
		GT 60 ft.	32,261,214	106,431	0.3%	109	2	1.8%
		LE 60 ft.	16,630,453	678,284	4.1%	165	12	7.3%
	2005	Freezer	4,373,738	16,224	0.4%	29	1	3.4%
		GT 60 ft.	32,261,214	1,719,850	5.3%	108	13	12.0%
		LE 60 ft.	16,609,747	570,837	3.4%	160	18	11.3%
	2006	Freezer	4,373,738	473,710	10.8%	28	3	10.7%
		GT 60 ft.	32,261,214	233,319	0.7%	107	1	0.9%
		LE 60 ft.	16,630,453	522,635	3.1%	152	16	10.5%
	2007	Freezer	4,373,738	156,827	3.6%	28	1	3.6%
		GT 60 ft.	32,262,359	2,127,780	6.6%	113	8	7.1%
		LE 60 ft.	16,630,333	1,612,659	9.7%	148	18	12.2%
	2008	Freezer	4,373,738	156,982	3.6%	27	2	7.4%
		GT 60 ft.	32,262,359	402,619	1.2%	110	9	8.2%
		LE 60 ft.	16,630,333	885,658	5.3%	139	15	10.8%
	2009	Freezer	4,373,738	324,392	7.4%	27	1	3.7%
		GT 60 ft.	32,262,359	408,818	1.3%	107	6	5.6%
		LE 60 ft.	16,630,333	100,623	0.6%	139	3	2.2%
	2010	Freezer	4,373,738	33,360	0.8%	28	2	7.1%
		GT 60 ft.	32,262,359	220,610	0.7%	105	4	3.8%
		LE 60 ft.	16,630,333	380,388	2.3%	135	7	5.2%
	2011	Freezer	4,373,738	300,126	6.9%	28	2	7.1%
		GT 60 ft.	32,262,359	1,122,509	3.5%	104	10	9.6%
		LE 60 ft.	16,630,333	979,243	5.9%	135	12	8.9%
	2012	Freezer	4,373,738	337,554	7.7%	29	4	13.8%
		GT 60 ft.	32,262,359	50,660	0.2%	104	1	1.0%
		LE 60 ft.	16,630,333	174,918	1.1%	135	4	3.0%
	2013	Freezer	4,373,738		0.0%	29	0	0.0%
		GT 60 ft.	32,262,359		0.0%	104	0	0.0%
		LE 60 ft.	16,630,333	80,224	0.5%	133	5	3.8%
	2014	Freezer	4,373,738		0.0%	29	0	0.0%
		GT 60 ft.	32,262,359	807,024	2.5%	101	7	6.9%
		LE 60 ft.	16,630,333	422,546	2.5%	131	6	4.6%
	All Yrs	Freezer	74,080,545	3,609,200	4.9%	499	50	10.0%
		GT 60 ft.	548,085,331	19,729,195	3.6%	1,913	190	9.9%
		LE 60 ft.	282,081,272	17,227,593	6.1%	2,983	364	12.2%
C. Gulf	1995	Freezer	15,067,735	563,533	3.7%	41	4	9.8%
		GT 60 ft.	52,735,414	2,888,961	5.5%	179	25	14.0%
		LE 60 ft.	39,832,161	4,380,982	11.0%	379	70	18.5%
	1996	Freezer	16,129,641	1,357,590	8.4%	42	6	14.3%
		GT 60 ft.	52,874,736	3,716,581	7.0%	176	28	15.9%
		LE 60 ft.	40,993,469	4,327,407	10.6%	350	61	17.4%
	1997	Freezer	16,922,204	1,715,121	10.1%	37	9	24.3%

Area	Year	Vessel Class	Year-end Total QS	QS Transferred	QS Transfer Rate %	Year-end Total QS Holders	QS Transferors	QS holder Transfer Rate %
		GT 60 ft.	52,921,573	5,425,820	10.3%	172	41	23.8%
		LE 60 ft.	41,030,081	4,230,583	10.3%	310	73	23.5%
	1998	Freezer	16,969,807	234,434	1.4%	37	3	8.1%
		GT 60 ft.	53,025,668	1,228,754	2.3%	171	12	7.0%
		LE 60 ft.	41,036,948	3,159,943	7.7%	300	26	8.7%
	1999	Freezer	17,557,104	1,281,046	7.3%	36	7	19.4%
		GT 60 ft.	53,025,668	4,302,556	8.1%	163	16	9.8%
		LE 60 ft.	41,036,948	2,204,273	5.4%	283	32	11.3%
	2000	Freezer	17,557,104	714,700	4.1%	36	3	8.3%
		GT 60 ft.	53,025,668	3,582,712	6.8%	168	23	13.7%
		LE 60 ft.	41,036,948	4,229,065	10.3%	273	30	11.0%
	2001	Freezer	17,557,104	5,230,011	29.8%	36	3	8.3%
		GT 60 ft.	53,025,668	3,060,580	5.8%	172	11	6.4%
		LE 60 ft.	41,036,948	1,419,213	3.5%	266	25	9.4%
	2002	Freezer	17,557,104	1,743,337	9.9%	36	1	2.8%
		GT 60 ft.	53,025,668	3,002,453	5.7%	168	10	6.0%
		LE 60 ft.	41,085,276	2,927,987	7.1%	268	26	9.7%
	2003	Freezer	17,557,104	689,583	3.9%	36	3	8.3%
		GT 60 ft.	53,044,252	4,183,341	7.9%	164	26	15.9%
		LE 60 ft.	41,085,276	3,114,130	7.6%	264	39	14.8%
	2004	Freezer	17,557,104	632,441	3.6%	36	2	5.6%
		GT 60 ft.	53,044,252	1,182,043	2.2%	161	13	8.1%
		LE 60 ft.	41,085,276	1,938,021	4.7%	254	19	7.5%
	2005	Freezer	17,557,104	5,913	0.0%	34	1	2.9%
		GT 60 ft.	53,044,252	2,164,835	4.1%	162	14	8.6%
		LE 60 ft.	41,085,276	1,763,501	4.3%	249	33	13.3%
	2006	Freezer	17,557,104	3,654,957	20.8%	34	5	14.7%
		GT 60 ft.	53,044,252	2,454,942	4.6%	165	10	6.1%
		LE 60 ft.	41,085,276	1,179,417	2.9%	241	17	7.1%
	2007	Freezer	17,557,104	1,013,361	5.8%	34	1	2.9%
		GT 60 ft.	53,044,252	4,045,843	7.6%	165	13	7.9%
		LE 60 ft.	41,085,276	3,190,988	7.8%	241	27	11.2%
	2008	Freezer	17,557,104	506,990	2.9%	34	2	5.9%
		GT 60 ft.	53,057,658	3,193,767	6.0%	160	20	12.5%
		LE 60 ft.	41,071,870	1,798,043	4.4%	235	19	8.1%
	2009	Freezer	17,557,104	3,099,284	17.7%	35	2	5.7%
		GT 60 ft.	53,057,658	936,812	1.8%	157	9	5.7%
		LE 60 ft.	41,071,870	842,207	2.1%	231	14	6.1%
	2010	Freezer	17,557,104	572,329	3.3%	38	3	7.9%
		GT 60 ft.	53,057,658	1,135,682	2.1%	157	9	5.7%
		LE 60 ft.	41,071,870	1,758,192	4.3%	227	20	8.8%
	2011	Freezer	17,557,104	810,619	4.6%	39	4	10.3%
		GT 60 ft.	53,057,658	383,711	0.7%	155	6	3.9%
		LE 60 ft.	41,071,870	1,717,693	4.2%	220	20	9.1%
	2012	Freezer	17,557,104	893,924	5.1%	45	2	4.4%
		GT 60 ft.	53,057,658	947,855	1.8%	158	8	5.1%
		LE 60 ft.	41,071,860	1,154,080	2.8%	218	10	4.6%

Area	Year	Vessel Class	Year-end Total QS	QS Transferred	QS Transfer Rate %	Year-end Total QS Holders	QS Transferors	QS holder Transfer Rate %
	2013	Freezer	17,557,104		0.0%	45		0.0%
		GT 60 ft.	53,057,658	765,392	1.4%	159	9	5.7%
		LE 60 ft.	41,071,860	952,538	2.3%	213	18	8.5%
	2014	Freezer	17,557,104	34,356	0.2%	45	1	2.2%
		GT 60 ft.	53,057,658	1,127,291	2.1%	156	12	7.7%
		LE 60 ft.	41,071,860	1,869,564	4.6%	211	11	5.2%
	All Yrs	Freezer	293,331,739	23,825,249	8.1%	621	59	9.5%
		GT 60 ft.	901,111,955	46,889,393	5.2%	2,815	286	10.2%
		LE 60 ft.	696,802,639	44,181,645	6.3%	4,591	551	12.0%
W. Gulf	1995	Freezer	13,398,039	44,223	0.3%	29	3	10.3%
		GT 60 ft.	15,330,271	333,425	2.2%	98	8	8.2%
		LE 60 ft.	6,468,532	1,530,851	23.7%	93	16	17.2%
	1996	Freezer	13,469,942	1,918,954	14.2%	31	4	12.9%
		GT 60 ft.	15,545,162	727,606	4.7%	96	8	8.3%
		LE 60 ft.	6,778,198	846,989	12.5%	89	10	11.2%
	1997	Freezer	13,578,407	125,774	0.9%	30	6	20.0%
		GT 60 ft.	15,590,669	1,052,556	6.8%	93	23	24.7%
		LE 60 ft.	6,766,163	1,358,715	20.1%	84	18	21.4%
	1998	Freezer	13,594,180	97,620	0.7%	30	1	3.3%
		GT 60 ft.	15,591,876	1,362,289	8.7%	91	14	15.4%
		LE 60 ft.	6,764,956	586,829	8.7%	78	12	15.4%
	1999	Freezer	13,671,401	295,085	2.2%	29	2	6.9%
		GT 60 ft.	15,592,748	1,407,931	9.0%	89	7	7.9%
		LE 60 ft.	6,764,956	807,554	11.9%	76	7	9.2%
	2000	Freezer	13,671,401		0.0%	28		0.0%
		GT 60 ft.	15,592,748	1,390,305	8.9%	91	12	13.2%
		LE 60 ft.	6,764,956	834,111	12.3%	75	15	20.0%
	2001	Freezer	13,671,401	2,288,374	16.7%	28	7	25.0%
		GT 60 ft.	15,592,748	2,494,692	16.0%	91	14	15.4%
		LE 60 ft.	6,764,956	1,009,363	14.9%	72	12	16.7%
	2002	Freezer	13,671,401	583,439	4.3%	28	1	3.6%
		GT 60 ft.	15,592,748	2,107,307	13.5%	92	12	13.0%
		LE 60 ft.	6,764,956	315,653	4.7%	72	6	8.3%
	2003	Freezer	13,671,401		0.0%	27		0.0%
		GT 60 ft.	15,593,222	1,698,800	10.9%	90	12	13.3%
		LE 60 ft.	6,764,956	1,323,985	19.6%	70	8	11.4%
	2004	Freezer	13,671,401	90,121	0.7%	27	1	3.7%
		GT 60 ft.	15,593,222	1,683,508	10.8%	90	15	16.7%
		LE 60 ft.	6,764,956	1,214,734	18.0%	73	12	16.4%
	2005	Freezer	13,671,401	0	0.0%	26	0	0.0%
		GT 60 ft.	15,593,222	2,384,596	15.3%	89	10	11.2%
		LE 60 ft.	6,764,956	1,004,299	14.8%	71	8	11.3%
	2006	Freezer	13,671,401	1,000,415	7.3%	26	6	23.1%
		GT 60 ft.	15,596,926	1,120,282	7.2%	88	7	8.0%
		LE 60 ft.	6,761,252	1,032,768	15.3%	70	10	14.3%

Area	Year	Vessel Class	Year-end Total QS	QS Transferred	QS Transfer Rate %	Year-end Total QS Holders	QS Transferors	QS holder Transfer Rate %
	2007	Freezer	13,671,401	505,891	3.7%	26	2	7.7%
		GT 60 ft.	15,596,926	395,164	2.5%	88	12	13.6%
		LE 60 ft.	6,761,252	2,733,387	40.4%	70	35	50.0%
	2008	Freezer	13,671,401	303,036	2.2%	26	4	15.4%
		GT 60 ft.	15,596,926	613,035	3.9%	89	11	12.4%
		LE 60 ft.	6,761,252	1,733,444	25.6%	73	21	28.8%
	2009	Freezer	13,671,401	4,745,961	34.7%	28	3	10.7%
		GT 60 ft.	15,596,926	965,204	6.2%	87	10	11.5%
		LE 60 ft.	6,761,252	103,456	1.5%	72	3	4.2%
	2010	Freezer	13,671,401	1,440,865	10.5%	33	6	18.2%
		GT 60 ft.	15,596,926	1,126,859	7.2%	85	9	10.6%
		LE 60 ft.	6,761,252	743,288	11.0%	70	10	14.3%
	2011	Freezer	13,671,401	308,505	2.3%	32	2	6.3%
		GT 60 ft.	15,596,926	778,151	5.0%	82	10	12.2%
		LE 60 ft.	6,761,252	824,482	12.2%	69	7	10.1%
	2012	Freezer	13,671,401	751,858	5.5%	36	3	8.3%
		GT 60 ft.	15,596,926	116,408	0.7%	81	3	3.7%
		LE 60 ft.	6,761,252	315,609	4.7%	65	5	7.7%
	2013	Freezer	13,671,401	679,062	5.0%	36	4	11.1%
		GT 60 ft.	15,596,926	472,797	3.0%	81	3	3.7%
		LE 60 ft.	6,761,252	274,201	4.1%	64	5	7.8%
	2014	Freezer	13,671,401	268,723	2.0%	35	1	2.9%
		GT 60 ft.	15,596,926	259,144	1.7%	79	4	5.1%
		LE 60 ft.	6,761,252	105,221	1.6%	64	4	6.3%
	All Yrs	Freezer	272,782,984	15,447,906	5.7%	591	56	9.5%
		GT 60 ft.	311,580,970	22,490,059	7.2%	1,770	204	11.5%
		LE 60 ft.	134,983,809	18,698,939	13.9%	1,470	224	15.2%
Bering Sea	1995	Freezer	6,654,211	237,952	3.6%	23	4	17.4%
		GT 60 ft.	7,773,286	235,905	3.0%	61	3	4.9%
		LE 60 ft.	3,171,305	529,670	16.7%	55	6	10.9%
	1996	Freezer	7,107,489	779,205	11.0%	26	2	7.7%
		GT 60 ft.	7,773,286	295,952	3.8%	59	2	3.4%
		LE 60 ft.	3,540,254	451,586	12.8%	52	4	7.7%
	1997	Freezer	7,288,858	360,448	4.9%	26	2	7.7%
		GT 60 ft.	7,773,286	258,139	3.3%	57	4	7.0%
		LE 60 ft.	3,540,254	648,407	18.3%	51	4	7.8%
	1998	Freezer	7,288,858	2,294,040	31.5%	25	5	20.0%
		GT 60 ft.	7,758,364	53,007	0.7%	55	2	3.6%
		LE 60 ft.	3,540,254	0	0.0%	51	0	0.0%
	1999	Freezer	7,470,227	784,638	10.5%	24	3	12.5%
		GT 60 ft.	7,758,364	1,542,152	19.9%	53	6	11.3%
		LE 60 ft.	3,540,254	181,379	5.1%	46	2	4.3%
	2000	Freezer	7,470,227		0.0%	24		0.0%
		GT 60 ft.	7,758,364	1,499,004	19.3%	52	9	17.3%
		LE 60 ft.	3,540,254	688,170	19.4%	46	10	21.7%
	2001	Freezer	7,470,227	927,980	12.4%	23	4	17.4%

Area	Year	Vessel Class	Year-end Total QS	QS Transferred	QS Transfer Rate %	Year-end Total QS Holders	QS Transferors	QS holder Transfer Rate %
		GT 60 ft.	7,758,364	1,295,958	16.7%	53	7	13.2%
		LE 60 ft.	3,540,254	222,810	6.3%	46	8	17.4%
	2002	Freezer	7,470,227	1,130,791	15.1%	25	4	16.0%
		GT 60 ft.	7,758,364	1,260,460	16.2%	47	7	14.9%
		LE 60 ft.	3,540,254	23,860	0.7%	45	2	4.4%
	2003	Freezer	7,470,227	2,862,709	38.3%	25	4	16.0%
		GT 60 ft.	7,779,886	2,443,732	31.4%	47	16	34.0%
		LE 60 ft.	3,540,254	111,163	3.1%	45	3	6.7%
	2004	Freezer	7,470,227	90,212	1.2%	25	1	4.0%
		GT 60 ft.	7,779,886	767,107	9.9%	47	4	8.5%
		LE 60 ft.	3,540,254	907,265	25.6%	45	2	4.4%
	2005	Freezer	7,470,227	969,025	13.0%	25	8	32.0%
		GT 60 ft.	7,779,886	611,725	7.9%	48	4	8.3%
		LE 60 ft.	3,540,254		0.0%	46		0.0%
	2006	Freezer	7,470,227	333,389	4.5%	25	4	16.0%
		GT 60 ft.	7,779,886	331,752	4.3%	48	2	4.2%
		LE 60 ft.	3,540,254	598,144	16.9%	45	6	13.3%
	2007	Freezer	7,470,227	0	0.0%	25		0.0%
		GT 60 ft.	7,779,886	556,755	7.2%	48	5	10.4%
		LE 60 ft.	3,540,254	659,995	18.6%	44	7	15.9%
	2008	Freezer	7,470,227	82,326	1.1%	25	2	8.0%
		GT 60 ft.	7,779,886	1,643,577	21.1%	47	7	14.9%
		LE 60 ft.	3,540,254	399,031	11.3%	43	5	11.6%
	2009	Freezer	7,470,227	391,695	5.2%	26	1	3.8%
		GT 60 ft.	7,754,799	357,172	4.6%	44	8	18.2%
		LE 60 ft.	3,540,254	766,877	21.7%	42	4	9.5%
	2010	Freezer	7,470,227	2,787,380	37.3%	26	4	15.4%
		GT 60 ft.	7,754,799	2,311,553	29.8%	43	11	25.6%
		LE 60 ft.	3,540,254	90,804	2.6%	38	4	10.5%
	2011	Freezer	7,470,227	628,770	8.4%	27	4	14.8%
		GT 60 ft.	7,754,799	1,916,095	24.7%	43	12	27.9%
		LE 60 ft.	3,540,254	42,546	1.2%	38	1	2.6%
	2012	Freezer	7,470,227	77,920	1.0%	27	3	11.1%
		GT 60 ft.	7,754,799	520,151	6.7%	44	2	4.5%
		LE 60 ft.	3,540,254	226,924	6.4%	39	2	5.1%
	2013	Freezer	7,470,227	46,306	0.6%	27	1	3.7%
		GT 60 ft.	7,754,799	1,490,116	19.2%	43	4	9.3%
		LE 60 ft.	3,540,254	107,131	3.0%	39	2	5.1%
	2014	Freezer	7,470,227		0.0%	27		0.0%
		GT 60 ft.	7,754,799	392,815	5.1%	42	2	4.8%
		LE 60 ft.	3,540,254	306,550	8.7%	38	3	7.9%
	All Yrs	Freezer	125,452,367	14,660,560	11.7%	425	52	12.2%
		GT 60 ft.	132,055,391	17,380,045	13.2%	852	109	12.8%
		LE 60 ft.	59,815,369	6,321,707	10.6%	778	68	8.7%
Aleutians	1995	Freezer	16,374,036	695,809	4.2%	28	3	10.7%
		GT 60 ft.	11,086,468	550,180	5.0%	58	6	10.3%

Area	Year	Vessel Class	Year-end Total QS	QS Transferred	QS Transfer Rate %	Year-end Total QS Holders	QS Transferors	QS holder Transfer Rate %
		LE 60 ft.	2,402,825	897,635	37.4%	41	5	12.2%
	1996	Freezer	17,123,651	1,213,703	7.1%	30	3	10.0%
		GT 60 ft.	11,319,633	352,931	3.1%	60	3	5.0%
		LE 60 ft.	2,660,576	496,076	18.6%	42	3	7.1%
	1997	Freezer	17,537,967	3,560,809	20.3%	29	6	20.7%
		GT 60 ft.	11,319,633	743,433	6.6%	59	5	8.5%
		LE 60 ft.	2,660,576	612,934	23.0%	41	6	14.6%
	1998	Freezer	17,537,967	633,790	3.6%	29	3	10.3%
		GT 60 ft.	11,319,633	1,501,959	13.3%	56	9	16.1%
		LE 60 ft.	2,660,576	391,026	14.7%	40	5	12.5%
	1999	Freezer	17,952,283	790,836	4.4%	28	2	7.1%
		GT 60 ft.	11,319,633	3,937,790	34.8%	51	9	17.6%
		LE 60 ft.	2,660,576	79,102	3.0%	32	2	6.3%
	2000	Freezer	17,952,283	1,108,521	6.2%	27	2	7.4%
		GT 60 ft.	11,319,633	988,765	8.7%	50	8	16.0%
		LE 60 ft.	2,660,576	278,214	10.5%	30	10	33.3%
	2001	Freezer	17,952,283	1,639,258	9.1%	28	4	14.3%
		GT 60 ft.	11,319,633	1,617,966	14.3%	50	6	12.0%
		LE 60 ft.	2,660,576	230,261	8.7%	29	5	17.2%
	2002	Freezer	17,952,283	2,760,605	15.4%	27	2	7.4%
		GT 60 ft.	11,319,633	698,573	6.2%	49	4	8.2%
		LE 60 ft.	2,660,576	617,942	23.2%	29	4	13.8%
	2003	Freezer	17,952,283	282,769	1.6%	28	1	3.6%
		GT 60 ft.	11,319,633	3,219,850	28.4%	49	7	14.3%
		LE 60 ft.	2,660,576	522,128	19.6%	31	2	6.5%
	2004	Freezer	17,952,283	311,496	1.7%	28	2	7.1%
		GT 60 ft.	11,319,633	792,700	7.0%	48	3	6.3%
		LE 60 ft.	2,660,576	272,269	10.2%	31	1	3.2%
	2005	Freezer	17,952,283	2,900,646	16.2%	29	2	6.9%
		GT 60 ft.	11,319,633	2,989,377	26.4%	47	8	17.0%
		LE 60 ft.	2,660,576	212,608	8.0%	31	2	6.5%
	2006	Freezer	17,952,283	1,793,830	10.0%	28	3	10.7%
		GT 60 ft.	11,319,633	2,085,637	18.4%	46	4	8.7%
		LE 60 ft.	2,660,576	236,920	8.9%	30	3	10.0%
			31,932,492					
	2007	Freezer	17,952,283	3,673,934	20.5%	28	3	10.7%
		GT 60 ft.	11,319,633	1,198,450	10.6%	46	5	10.9%
		LE 60 ft.	2,660,576	708,092	26.6%	30	5	16.7%
	2008	Freezer	17,952,283	969,880	5.4%	28	2	7.1%
		GT 60 ft.	11,319,633	1,563,403	13.8%	44	5	11.4%
		LE 60 ft.	2,660,576	208,517	7.8%	30	3	10.0%
	2009	Freezer	17,952,283	3,831,578	21.3%	28	4	14.3%
		GT 60 ft.	11,319,633	1,289,891	11.4%	43	5	11.6%
		LE 60 ft.	2,660,576	314,388	11.8%	32	2	6.3%
	2010	Freezer	7,470,227	1,612,021	21.6%	26	3	11.5%
		GT 60 ft.	7,754,799	1,158,313	14.9%	43	5	11.6%
		LE 60 ft.	3,540,254	181,513	5.1%	38	2	5.3%

Area	Year	Vessel Class	Year-end Total QS	QS Transferred	QS Transfer Rate %	Year-end Total QS Holders	QS Transferors	QS holder Transfer Rate %
	2011	Freezer	7,470,227	1,179,347	15.8%	27	2	7.4%
		GT 60 ft.	7,754,799	4,276,913	55.2%	43	7	16.3%
		LE 60 ft.	3,540,254	262,960	7.4%	38	4	10.5%
	2012	Freezer	17,952,283	1,407,017	7.8%	28	6	21.4%
		GT 60 ft.	11,319,633	3,848,303	34.0%	43	8	18.6%
		LE 60 ft.	2,660,576	242,510	9.1%	29	1	3.4%
	2013	Freezer	17,952,283	48,278	0.3%	28	1	3.6%
		GT 60 ft.	11,319,633	516,186	4.6%	43	4	9.3%
		LE 60 ft.	2,660,576	309,623	11.6%	29	4	13.8%
	2014	Freezer	17,952,283	2,721,856	15.2%	27	2	7.4%
		GT 60 ft.	11,319,633	1,732,146	15.3%	43	2	4.7%
		LE 60 ft.	2,660,576	328,400	12.3%	29	3	10.3%
	All Yrs	Freezer	280,989,188	28,958,832	10.3%	476	47	9.9%
		GT 60 ft.	185,070,928	28,966,131	15.7%	842	99	11.8%
		LE 60 ft.	46,731,397	6,522,585	14.0%	575	64	11.1%

QS transfer rates often diverged widely among vessel categories within an area. For example, over the 19 year period the average QS transfer rate for catcher vessels “greater than 60 feet” in the Aleutian Islands area was only 15.7%, while the rate for catcher vessel “60 feet or less” was 14 %. Similarly, in the Central Gulf area, the QS transfer rate for catcher vessel “greater than 60 feet” was 5.2% while the rate for freezer vessels was 8.1%. QS holder transfer rates also showed large differences among vessel categories.

The Western Gulf area had the highest “19 year” average QS transfer rates in the “less than or equal to 60 foot” catcher vessel categories.

### 3.3 QS Sales Prices

This section uses information on transfers to provide estimates of average prices per unit of sablefish QS. Due to a significant database change, 1999 data are not available in the following tables.

Table 3-3 shows estimated weighted annual prices per QS unit transferred by area for 1995 through 2014. QS may be transferred without all of the associated current-year IFQs. The prices shown in this table were calculated from transfers in which the actual current-year IFQ was transferred with the QS and was within 5% of the standard IFQ per unit of QS for that year and management area.<sup>23</sup> The pounds of IFQ, the amount of QS, and the number of transfers used to produce the estimates are also shown.

<sup>23</sup>Standard IFQs were calculated by multiplying the amount of QS by the ratio of the area's total allowable catch to the amount of QS in the area's QS pool on January 31st of the year. Mean and standard deviations for the price per QS unit are provided in dollars per pound of IFQ and in dollars per QS unit.

**Table 3-3. Annual Prices for Sablefish QS and IFQ Transfers by Area and Year**

Area	Year	Mean Price \$/IFQ	Stan Dev Price \$/IFQ	Total IFQs Transacted Used for Pricing	Mean Price \$/QS	Stan Dev Price \$/QS	Total QS Transacted Used for Pricing	Number of Transactions Used for Pricing
Southeast	1995	6.73	0.95	714,993	1.28	0.18	3,771,994	102
	1996	8.05	1.61	460,777	1.21	0.24	3,067,913	86
	1997	10.76	2.02	303,609	1.31	0.25	2,496,791	72
	1998	11.11	1.96	102,892	1.29	0.23	886,458	31
	1999							
	2000	10.57	1.78	166,186	1.25	0.21	1,400,980	34
	2001	12.22	4.79	212,746	1.37	0.54	1,896,455	29
	2002	10.23	1.92	405,427	1.10	0.21	3,783,682	43
	2003	11.00	1.82	411,183	1.31	0.22	3,464,060	55
	2004	11.69	1.73	209,397	1.47	0.22	1,666,128	32
	2005	11.57	1.09	279,550	1.38	0.13	2,348,556	41
	2006	12.18	1.35	205,200	1.43	0.16	1,749,468	30
	2007	14.65	2.77	241,705	1.64	0.31	2,154,722	37
	2008	15.64	3.52	42,488	1.68	0.38	395,728	18
	2009	18.22	2.69	51,533	1.67	0.25	562,866	17
	2010	20.94	4.56	21,109	1.80	0.39	245,391	9
	2011	25.09	3.72	130,007	2.46	0.37	1,326,253	20
	2012	33.16	13.63	53,440	3.51	1.44	505,132	12
	2013	32.12	8.66	60,588	3.42	0.94	569,661	11
	2014	23.67	4.01	135,345	2.13	0.36	1,506,225	20
W. Yakutat	1995	5.93	0.87	208,230	0.92	0.13	1,339,123	33
	1996	7.62	1.23	240,912	0.88	0.14	2,090,726	51
	1997	9.04	2.11	182,257	0.85	0.2	1,928,688	58
	1998	9.23	2.66	22,538	0.83	0.24	250,157	17
	1999							
	2000	10.80	1.68	111,492	0.86	0.13	1,402,337	27
	2001	9.98	2.34	38,808	0.74	0.18	523,760	11
	2002	9.97	2.31	143,866	0.70	0.16	2,065,214	20
	2003	10.97	1.30	79,239	0.92	0.11	945,017	20
	2004	13.22	0.70	28,031	1.22	0.06	303,156	9
	2005	12.04	1.24	132,276	1.13	0.12	1,408,437	21
	2006	11.38	1.55	80,974	0.94	0.13	983,166	20
	2007	15.04	2.49	192,315	1.24	0.20	2,326,792	19
	2008	13.81	2.64	28,785	1.06	0.21	375,340	15
	2009	17.28	1.58	10,483	1.12	0.10	162,669	5
	2010	20.70	3.10	23,502	1.21	0.18	402,729	9
	2011	26.36	3.24	94,001	1.90	0.23	1,302,292	19
	2012	C	C	3,169	C	C	38,750	3
	2013	C	C	162	C	C	2,232	3
	2014	24.30	3.29	37,467	1.50	0.20	605,521	10
C. Gulf	1995	6.02	0.92	542,427	0.82	0.12	3,979,925	53
	1996	7.06	1.59	576,517	0.77	0.17	5,312,742	70
	1997	9.36	1.73	707,533	0.95	0.18	6,950,682	82
	1998	10.68	2.42	218,048	1.07	0.24	2,176,369	39
	1999							
	2000	9.81	0.90	448,909	0.89	0.08	4,958,461	49
	2001	9.66	1.78	124,247	0.82	0.15	1,455,795	29
	2002	9.66	2.32	251,856	0.83	0.20	2,935,443	24
	2003	10.56	1.90	470,143	1.07	0.19	4,624,442	53

Area	Year	Mean	Stan Dev	Total IFQs	Mean	Stan Dev	Total QS	Number of
		Price	Price	Transacted	Price	Price	Transacted	Transactions
		\$/IFQ	\$/IFQ	Used for	\$/QS	\$/QS	Used for	Used for
				Pricing			Pricing	Pricing
	2004	12.20	2.07	207,013	1.41	0.24	1,795,496	23
	2005	10.70	2.16	304,111	1.23	0.25	2,656,281	35
	2006	12.48	4.32	472,608	1.26	0.43	4,685,401	29
	2007	13.71	3.49	364,627	1.34	0.34	3,730,291	33
	2008	16.58	4.20	240,480	1.44	0.37	2,768,837	30
	2009	16.32	2.43	71,882	1.28	0.19	912,228	14
	2010	18.02	3.42	90,350	1.28	0.24	1,268,608	13
	2011	22.65	3.42	104,706	1.70	0.26	1,398,595	19
	2012	32.09	5.07	171,688	2.92	0.46	1,887,570	22
	2013	19.61	4.40	71,565	1.72	0.39	817,979	18
	2014	17.99	6.14	51,612	1.33	0.45	698,185	10
W. Gulf	1995	6.16	0.85	129,351	0.76	0.1	1,052,708	12
	1996	5.53	0.82	265,044	0.57	0.08	2,566,140	11
	1997	7.06	1.45	113,032	0.64	0.13	1,237,647	30
	1998	8	0.81	77,939	0.72	0.07	864,090	19
	1999							
	2000	6.49	1.15	143,154	0.59	0.11	1,591,230	19
	2001	7.12	1.74	178,679	0.70	0.17	1,815,991	19
	2002	5.08	0.52	16,789	0.56	0.06	153,112	4
	2003	6.85	1.53	138,688	0.86	0.19	1,102,407	10
	2004	8.19	1.48	295,712	1.17	0.21	2,061,746	24
	2005	10.70	4.91	242,546	1.33	0.61	1,950,728	15
	2006	7.87	0.88	192,139	1.03	0.12	1,470,086	10
	2007	8.18	1.48	217,181	0.99	0.18	1,796,245	17
	2008	9.50	2.27	138,744	0.88	0.21	1,499,642	14
	2009	12.11	3.07	67,548	0.97	0.25	841,404	8
	2010	11.08	3.07	114,964	0.90	0.25	1,414,807	16
	2011	13.34	1.30	89,137	1.06	0.10	1,124,030	11
	2012	13.79	6.14	21,149	1.20	0.54	242,722	7
	2013	17.35	4.29	76,557	1.49	0.37	893,696	7
	2014	9.40	1.64	18,621	0.68	0.12	257,029	5
Bering Sea	1995	4.87	0.58	11,951	0.42	0.05	138,800	4
	1996	6.63	5.18	41,493	0.36	0.28	757,451	5
	1997	3.29	0.35	32,695	0.17	0.02	626,938	5
	1998	C	C	7,409	C	C	120,235	3
	1999							
	2000	3.16	1.37	135,547	0.22	0.10	1,962,203	14
	2001	2.28	0.44	83,598	0.17	0.04	1,140,555	7
	2002	2.98	0.10	147,020	0.27	0.01	1,621,302	7
	2003	3.53	0.84	573,468	0.48	0.12	4,208,803	20
	2004	4.27	0.49	125,162	0.58	0.07	918,589	7
	2005	2.87	1.10	168,218	0.33	0.13	1,469,002	11
	2006	3.47	0.29	80,108	0.46	0.04	605,310	5
	2007	2.13	0.36	83,458	0.30	0.05	596,757	6
	2008	2.61	0.93	94,286	0.36	0.13	697,372	10
	2009	3.41	0.16	92,980	0.43	0.02	728,398	7
	2010	4.10	0.53	401,961	0.55	0.07	2,983,238	14
	2011	5.66	0.32	264,806	0.76	0.05	1,977,198	13
	2012	3.95	1.72	31,946	0.41	0.18	304,844	5
	2013	C	C	3,438	C	C	46,306	1
	2014	C	C	8,312	C	C	132,002	1
Aleutians	1995	4.57	0.52	91,553	0.43	0.05	979,271	6
	1996	8.89	3.9	72,881	0.45	0.2	1,446,140	4
	1997	4.14	0.5	66,726	0.21	0.03	1,324,979	10

Area	Year	Mean Price	Stan Dev Price	Total IFQs Transacted Used for Pricing	Mean Price	Stan Dev Price	Total QS Transacted Used for Pricing	Number of Transactions Used for Pricing
		\$/IFQ	\$/IFQ		\$/QS	\$/QS		
	1998	3.4	0.59	38,599	0.2	0.03	667,559	8
	1999							
	2000	2.01	0.59	72,398	0.20	0.06	719,028	14
	2001	2.34	0.83	97,540	0.24	0.08	941,871	5
	2002	C	C	32,061	C	C	303,445	2
	2003	3.37	1.14	502,187	0.43	0.15	3,910,721	9
	2004	2.60	0.00	35,621	0.33	0.00	277,399	4
	2005	2.66	2.16	286,999	0.29	0.23	2,644,413	9
	2006	2.71	1.22	435,971	0.34	0.15	3,508,222	6
	2007	2.69	0.41	159,707	0.31	0.05	1,372,043	8
	2008	2.96	0.77	241,854	0.30	0.08	2,392,855	8
	2009	3.25	0.85	384,137	0.30	0.08	4,215,166	11
	2010	3.17	0.99	72,717	0.28	0.09	839,671	5
	2011	3.22	0.94	284,724	0.28	0.08	3,320,527	8
	2012	3.71	0.82	333,728	0.32	0.07	3,920,875	13
	2013	C	C	13,071	C	C	147,445	2
	2014	C	C	48,973	C	C	653,178	1

The QS prices for the Bering Sea and Aleutian Islands QS were generally based on only a few transactions; prices tended to be much lower in other areas. QS prices in dollars per QS unit are not comparable across areas since the ratio of IFQ to QS differs from area to area and from year to year as TACs change.

Prices in dollars per pound of associated IFQ are more comparable across areas. In the four areas in which prices are based on a relatively large number of transactions, the prices ranged from a low of \$2.01 in the Aleutian Islands area in 2000 to a high of \$25.61 in the West Yakutat area in 2012. The estimated average prices in dollars per pound of IFQ rose in each year in all areas.

Table 3-4 provides a more detailed breakout of QS price estimates by management area and vessel category (as opposed to the management area analysis in Table 3-3). The price analysis data shown are the same as in Table 3-3.

**Table 3-4. Annual Prices for Sablefish QS and IFQ Transfers by Area, Vessel Class, and Year.**

Area	Year	Mean Price	Stan Dev Price	Number of Transactions Used for Pricing	Mean Price	Stan Dev Price	Total QS Transacted Used for Pricing	Number of Transactions Used for Pricing
		\$/IFQ	\$/IFQ		\$/QS	\$/QS		
Southeast	1995	6.73	0.95	714,993	1.28	0.18	3,771,994	102
	1996	8.05	1.61	460,777	1.21	0.24	3,067,913	86
	1997	10.76	2.02	303,609	1.31	0.25	2,496,791	72
	1998	11.11	1.96	102,892	1.29	0.23	886,458	31
	1999							
	2000	10.93	0.90	166,186	1.30	0.11	1,400,980	34
	2001	12.79	2.90	212,746	1.44	0.33	1,896,455	29
	2002	10.31	1.62	405,427	1.10	0.17	3,783,682	43
	2003	11.55	1.48	411,183	1.37	0.18	3,464,060	55
	2004	12.10	1.36	209,397	1.52	0.17	1,666,128	32

Area	Year	Mean Price \$/IFQ	Stan Dev Price \$/IFQ	Number of Transactions Used for Pricing	Mean Price \$/QS	Stan Dev Price \$/QS	Total QS Transacted Used for Pricing	Number of Transactions Used for Pricing
	2005	11.17	0.86	279,550	1.33	0.10	2,348,556	41
	2006	11.95	0.89	205,200	1.40	0.10	1,749,468	30
	2007	14.07	2.33	241,705	1.58	0.26	2,154,722	37
	2008	15.95	2.35	42,488	1.71	0.25	395,728	18
	2009	18.33	1.74	51,533	1.68	0.16	562,866	17
	2010	20.98	2.42	21,109	1.81	0.21	245,391	9
	2011	25.08	3.00	130,007	2.46	0.30	1,326,253	20
	2012	14.62	2.65	53,440	1.54	0.28	505,132	12
	2013	33.54	3.28	60,588	3.57	0.35	569,661	11
	2014	25.79	1.31	135,345	2.32	0.12	1,506,225	20
W. Yakutat	1995	5.93	0.87	208,230	0.92	0.13	1,339,123	33
	1996	7.62	1.23	240,912	0.88	0.14	2,090,726	51
	1997	9.04	2.11	182,257	0.85	0.2	1,928,688	58
	1998	9.23	2.66	22,538	0.83	0.24	250,157	17
	1999							
	2000	10.80	1.68	111,492	0.86	0.13	1,402,337	27
	2001	9.98	2.34	38,808	0.74	0.18	523,760	11
	2002	9.97	2.31	143,866	0.70	0.16	2,065,214	20
	2003	10.97	1.30	79,239	0.92	0.11	945,017	20
	2004	13.22	0.70	28,031	1.22	0.06	303,156	9
	2005	12.04	1.24	132,276	1.13	0.12	1,408,437	21
	2006	11.38	1.55	80,974	0.94	0.13	983,166	20
	2007	15.04	2.49	192,315	1.24	0.20	2,326,792	19
	2008	13.81	2.64	28,785	1.06	0.21	375,340	15
	2009	17.28	1.58	10,483	1.12	0.10	162,669	5
	2010	20.70	3.10	23,502	1.21	0.18	402,729	9
	2011	26.36	3.24	94,001	1.90	0.23	1,302,292	19
	2012	C	C	3,169	C	C	38,750	3
	2013	C	C	162	C	C	2,232	3
	2014	25	1.32	37467	1.545	0.08	605521	10
C. Gulf	1995	6.02	0.92	542,427	0.82	0.12	3,979,925	53
	1996	7.06	1.59	576,517	0.77	0.17	5,312,742	70
	1997	9.36	1.73	707,533	0.95	0.18	6,950,682	82
	1998	10.68	2.42	218,048	1.07	0.24	2,176,369	39
	1999							
	2000	9.81	0.90	448,909	0.89	0.08	4,958,461	49
	2001	9.66	1.78	124,247	0.82	0.15	1,455,795	29
	2002	9.66	2.32	251,856	0.83	0.20	2,935,443	24
	2003	10.56	1.90	470,143	1.07	0.19	4,624,442	53
	2004	12.20	2.07	207,013	1.41	0.24	1,795,496	23
	2005	10.70	2.16	304,111	1.23	0.25	2,656,281	35
	2006	12.48	4.32	472,608	1.26	0.43	4,685,401	29
	2007	13.71	3.49	364,627	1.34	0.34	3,730,291	33
	2008	16.58	4.20	240,480	1.44	0.37	2,768,837	30
	2009	16.32	2.43	71,882	1.28	0.19	912,228	14
	2010	18.02	3.42	90,350	1.28	0.24	1,268,608	13
	2011	22.65	3.42	104,706	1.70	0.26	1,398,595	19
	2012	32.09	5.07	171,688	2.92	0.46	1,887,570	22
	2013	19.61	4.40	71,565	1.72	0.39	817,979	18
	2014	17.62	4.91	51,612	1.30	0.36	698,185	10
W. Gulf	1995	6.16	0.85	129,351	0.76	0.1	1,052,708	12
	1996	5.53	0.82	265,044	0.57	0.08	2,566,140	11
	1997	7.06	1.45	113,032	0.64	0.13	1,237,647	30

Area	Year	Mean Price \$/IFQ	Stan Dev Price \$/IFQ	Number of Transactions Used for Pricing	Mean Price \$/QS	Stan Dev Price \$/QS	Total QS Transacted Used for Pricing	Number of Transactions Used for Pricing
	1998	8	0.81	77,939	0.72	0.07	864,090	19
	1999							
	2000	6.50	1.16	143,154	0.59	0.11	1,591,230	19
	2001	7.56	1.04	178,679	0.75	0.10	1,815,991	19
	2002	4.97	0.09	16,789	0.55	0.01	153,112	4
	2003	6.66	1.36	138,688	0.84	0.17	1,102,407	10
	2004	8.80	0.87	295,712	1.26	0.13	2,061,746	24
	2005	9.55	3.39	242,546	1.19	0.43	1,950,728	15
	2006	7.56	0.51	192,139	0.99	0.07	1,470,086	10
	2007	8.13	0.94	217,181	0.97	0.11	1,796,245	17
	2008	10.34	1.19	138,744	0.96	0.11	1,499,642	14
	2009	10.48	1.21	67,548	0.84	0.10	841,404	8
	2010	11.35	1.55	114,964	0.92	0.13	1,414,807	16
	2011	13.87	0.48	89,137	1.10	0.04	1,124,030	11
	2012	8.97	1.10	21,149	0.78	0.10	242,722	7
	2013	14.12	0.55	76,557	1.21	0.05	893,696	7
	2014	9.23	1.27	18,621	0.67	0.09	257,029	5
Bering Sea	1995	4.87	0.58	11,951	0.42	0.05	138,800	4
	1996	6.63	5.18	41,493	0.36	0.28	757,451	5
	1997	3.29	0.35	32,695	0.17	0.02	626,938	5
	1998	C	C	7,409	C	C	120,235	3
	1999							
	2000	3.16	1.37	135,547	0.22	0.10	1,962,203	14
	2001	2.28	0.44	83,598	0.17	0.04	1,140,555	7
	2002	2.98	0.10	147,020	0.27	0.01	1,621,302	7
	2003	3.53	0.84	573,468	0.48	0.12	4,208,803	20
	2004	4.27	0.49	125,162	0.58	0.07	918,589	7
	2005	2.87	1.10	168,218	0.33	0.13	1,469,002	11
	2006	3.47	0.29	80,108	0.46	0.04	605,310	5
	2007	2.13	0.36	83,458	0.30	0.05	596,757	6
	2008	2.61	0.93	94,286	0.36	0.13	697,372	10
	2009	3.41	0.16	92,980	0.43	0.02	728,398	7
	2010	4.10	0.53	401,961	0.55	0.07	2,983,238	14
	2011	5.66	0.32	264,806	0.76	0.05	1,977,198	13
	2012	3.95	1.72	31,946	0.41	0.18	304,844	5
	2013	C	C	3,438	C	C	46,306	1
	2014	C	C	8,312	C	C	132,002	1
Aleutians	1995	4.57	0.52	91,553	0.43	0.05	979,271	6
	1996	8.89	3.9	72,881	0.45	0.2	1,446,140	4
	1997	4.14	0.5	66,726	0.21	0.03	1,324,979	10
	1998	3.4	0.59	38,599	0.2	0.03	667,559	8
	1999							
	2000	1.88	0.43	72,398	0.19	0.04	719,028	14
	2001	1.93	0.42	97,540	0.20	0.05	941,871	5
	2002	3.02	0.00	32,061	0.32	0.00	303,445	2
	2003	3.84	0.30	502,187	0.49	0.04	3,910,721	9
	2004	2.60	0.00	35,621	0.33	0.00	277,399	4
	2005	3.78	1.08	286,999	0.41	0.12	2,644,413	9
	2006	2.91	0.75	435,971	0.36	0.09	3,508,222	6
	2007	2.67	0.19	159,707	0.31	0.02	1,372,043	8
	2008	2.98	0.58	241,854	0.30	0.06	2,392,855	8
	2009	3.15	0.51	384,137	0.29	0.05	4,215,166	11
	2010	2.99	0.48	72,717	0.26	0.04	839,671	5

Area	Year	Mean Price \$/IFQ	Stan Dev Price \$/IFQ	Number of Transactions Used for Pricing	Mean Price \$/QS	Stan Dev Price \$/QS	Total QS Transacted Used for Pricing	Number of Transactions Used for Pricing
	2011	2.83	0.72	284,724	0.24	0.06	3,320,527	8
	2012	3.78	0.51	333,728	0.32	0.04	3,920,875	13
	2013	C	C	13,071	C	C	147,445	2
	2014	C	C	48973	C	C	653178	1

In many of the area and vessel category combinations there are so few transactions that confidentiality standards do not permit reporting the price data. In some of the cases for which estimated prices are reported, they are based on small numbers of transactions. In all the areas the price of QS tended to go up over the 1995 through 2014 time period, repeating the pattern observed in the more aggregated data summarized in Table 3-3.

Table 3-5 provides associated annual QS price information for transfers in which QS was sold without any of the current year IFQ. To avoid confusion, prices are provided only in dollars per QS unit. There are fewer of these types of observations than there are of transfers of QS with all or most associated IFQ. Hence, prices are only available for three management areas. Note that, as before, prices in dollars per QS unit are not easily comparable across management areas due to the differences in the amount of IFQ pounds per QS unit across areas. The available estimates of average prices range from a low of \$0.49 per QS unit in the West Yakutat area in 1998 to a high of \$2.84 per QS unit in the Southeast area in 2011.

**Table 3-5 Annual Prices for Sablefish QS-Only Transfers by Area and Year**

Area	Year	Mean Price \$/QS	Stan Dev Price \$/QS	Total QS Transferred Used for Pricing	Number of Transactions Used for Pricing
Southeast	1995	1.22	0.44	155,297	6
	1996	0.94	0.33	471,382	14
	1997	1.56	0.2	494,104	18
	1998	1.58	0.44	199,026	5
	2000	1.35	0.19	345,443	4
	2001	C	C	143,863	2
	2002	C	C	46,755	1
	2003	1.33	0.14	384,123	4
	2004	C	C	151,660	2
	2005	C	C	156,835	2
	2006	1.52	0.23	368,767	8
	2007	C	C	149,844	2
	2008	C	C	75,073	2
	2009	C	C	89,140	2
	2010	1.94	0.28	975,150	9
	2011	2.84	0.26	155,724	4
	2012	3.33	0.49	352,700	5
	2013	C	C	209,544	2
	2014	1.95	0.13	266,676	7
W. Yakutat	1995	0.89	0.11	399,983	4
	1996	0.68	0.1	256,110	7
	1997	0.88	0.09	635,346	6
	1998	0.49	0.31	750,524	5
	2000	C	C	8,032	2
	2001	0.87	0.1	810,029	7
	2002	0.66	0	88,309	1

Area	Year	Mean Price \$/QS	Stan Dev Price \$/QS	Total QS Transferred Used for Pricing	Number of Transactions Used for Pricing
	2003	0.82	0.11	406,536	8
	2004	0.91	0.09	95,922	4
	2005	1.17	0.12	277,246	3
	2008	C	C	195,193	3
	2009	C	C	55,636	1
	2010	C	C	17,136	1
	2011	C	C	191,014	2
	2012	C	C	138,795	2
	2014	C	C	8,297	1
C. Gulf	1995	0.59	0.14	590,998	5
	1996	0.71	0.04	824,136	9
	1997	1.05	0.06	1,275,202	10
	1998	C	C	22,266	3
	2000	0.88	0.18	750,425	5
	2001	1	0	550,647	4
	2002	0.9	0.13	751,765	6
	2003	1.05	0.14	512,327	6
	2004	C	C	184,226	3
	2005	C	C	464,124	3
	2006	C	C	32,027	1
	2007	C	C	48,785	1
	2008	1.27	0.18	178,654	4
	2009	1.26	0.09	2,158,261	5
	2010	1.56	0.18	1,045,670	12
	2011	C	C	224,069	2
	2012	2.86	0.1	745,306	9
	2014	C	C	4,362	1
W. Gulf	1995	C	C	81,442	2
	1996	C	C	36,520	2
	1997	C	C	21,810	1
	2001	0.86	0.02	330,180	3
	2003	1.06	0.1	503,421	4
	2004	0.96	0	104,884	1
	2005	0.94	0.06	561,649	3
	2006	1.04	0.21	132,725	2
	2007	0.96	0.17	643,123	5
	2008	C	C	432,352	1
	2009	0.85	0.11	4,365,060	7
	2010	C	C	146,215	3
	2011	C	C	148,499	2
	2012	1.12	0	528,679	5
	2013	C	C	38,756	1
Bering Sea	1995	C	C	106,583	1
	1996	C	C	255,468	1
	1998	C	C	11,041	1
	2003	C	C	422,148	1
	2008	C	C	1,345,236	2
	2010	C	C	632,234	1
	2013	C	C	730,770	1
Aleutians	1995	C	C	594,509	1
	1996	C	C	164,185	1
	2000	C	C	75,815	2

Area	Year	Mean Price \$/QS	Stan Dev Price \$/QS	Total QS Transferred Used for Pricing	Number of Transactions Used for Pricing
	2001	C	C	438,258	2
	2005	C	C	1,957,125	1
	2009	C	C	66,524	1
	2010	C	C	692,826	1
	2012	C	C	1,177,980	2
	2014	C	C	1,357,427	2

For all of these tables there are several caveats associated with the reported statistics. The information provided on the NMFS transfer application forms can be ambiguous. The form does not explicitly differentiate between sale transfers and other transfers. Sale transfer observations used in the tables in this section were selected because prices were supplied. Other sale transfer observations, for which no prices were supplied, could not be used to make the estimate.

The transfer application forms from which pricing data were gathered also differed somewhat among years. For example, the 1995 form requested prices net of brokers' fees, while the 1996 through 2014 forms requested prices including fees.

The associated current year IFQ is important in determining QS prices, but the ratio of IFQ to QS can vary between holdings within a management area due to underages and overage adjustments from the preceding year. In addition, only a portion of the associated current year IFQ might have been transferred with the QS. This makes it harder to calculate a meaningful average price per QS unit within a management area. This difficulty has been dealt with herein by calculating QS prices for QS sold with "approximately" the associated current year IFQ and for QS sold with no current year IFQ.

## 4 Sablefish QS Leases

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This chapter examines the extent of formal lease transactions during the 1995 through 2014 time period. The data indicate that relatively few QS lease transactions occurred.

The regulations for the sablefish IFQ program have allowed some leasing of QS by transfer of annual IFQ only, subject to important restrictions. Where leasing is allowed, it provides a means for sablefish QS holders to make seasonal adjustments to their fishing activities and for new persons to enter the fishery.

QS lease transactions are made for an IFQ year and expire on December 31 of the year of the lease. The regulations governing leasing have changed over time.

From the start of the Program, holders of freezer vessel (harvester/processor category “A”) QS may lease any or all of those holdings during a year. Catcher vessel leasing has been more restricted. Holders of catcher vessel QS for an area could lease up to 10% of their QS in that area during the years 1995, 1996, and 1997. However, these regulations providing for leases of catcher vessel QS expired on January 2, 1998 and have not been renewed.<sup>24</sup> The expired IFQ program regulations which provided for limited leasing of catcher vessel QS during the first three years of the program represented a compromise designed to balance the Council's different objectives. Opponents of leasing wanted to keep QS in the hands of active fishermen rather than absentee QS holders. Some persons also thought that the ability to lease QS might dampen the volume of QS sales and make it more difficult for new persons to enter the fishery as QS owner-operators. Proponents of QS leasing wanted to maintain operational flexibility for fishermen in a dynamic environment.<sup>25</sup> The temporary 10% rule sought to balance both sets of concerns.

Several program provisions allow leasing of catcher vessel QS/IFQ in limited circumstances. First, the surviving spouse or other individual beneficiary from the QS holdings immediate family can still lease catcher vessel QS for a three year period following the death of the holder.<sup>26</sup> Next, in 2004 NOAA Fisheries (NMFS) implemented a new program feature to protect economies of selected fisheries dependent GOA communities. These communities can form nonprofit organizations to acquire QS for lease to community residents. The intent is to assist a number of small coastal communities in Southeast and Southcentral Alaska, striving to remain economically viable, to increase or maintain their participation in the halibut and sablefish fisheries. As of August 2015, there are 46 Community Quota Entities (CQE) that have been established, although only three have purchased commercial halibut quota. In 2007 “emergency medical” lease<sup>27</sup> and in 2008 a provision allowing mobilized National Guard and reservist QS holders to lease out IFQ were added<sup>28</sup>.

The tables in this chapter will show that there were relatively few catcher vessel QS lease transactions. This may be partially due to the fact that a significant portion of the sablefish catcher vessel QS was “blocked” and at the beginning of the program a block had to be transferred in its entirety for any kind of transfer.

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<sup>24</sup> See 50 CFR 679.41(h) for catcher vessel leasing rules. There is no corresponding rule on freezer vessel QS leases.

<sup>25</sup> This discussion is adapted from FR 58(215):59392. November 9, 1993.

<sup>26</sup> See 50 CFR 679.41(k)(2)

<sup>27</sup> Emergency Medical Transfer- 72FR 44795 August 9, 2007

<sup>28</sup> Military Transfer- 73 FR 28733 May 19, 2008

At the start of the program, blocked QS could only be leased on this “all or nothing” basis. Blocks could not be broken up to allow some of the QS to be leased. This, coupled with the 10% leasing restriction, made the leasing of blocked catcher vessel QS difficult.

Thus, a person who only held one block of QS in an area could not lease that block or any part of it. A person who held two blocks of QS for an area would only be in a position to lease some QS if one block was no more than 10% of the person's total QS holding.<sup>29</sup>

During 1996, the regulations governing leasing of blocked QS were reworded into terms of IFQ. This change in wording allowed for 10% of the IFQ associated with a segment of blocked QS in a year to be leased on an annual basis. In other words, the blocking provision no longer applied to seasonal lease transactions of IFQ. This liberalization of the leasing provision for blocked catcher vessel QS did not become effective until September 9, 1996. However, this small liberalization of the catcher vessel leasing provisions appeared to have little impact on catcher vessel leasing activities.

The reader should be aware that this chapter only covers formal lease transactions as reported to NMFS-RAM. While formal leases of catcher vessel QS were not extensively used during the 1995 through 2014 time period, there was another means under the sablefish IFQ program regulations whereby some IFQ could be fished by someone other than the QS holder.

Regulations allowing for the use of a “hired master” (skipper) by an initial QS recipient on a vessel owned by the initial QS recipient appear to have been widely used during the first fifteen years of the program. This topic is explored further in Chapter 12.

Any Category A (Freezer vessel) sablefish QS holder can use a hired skipper to harvest the IFQ associated with that QS. Corporations and partnerships and other business entities must also employ a skipper to harvest the resource. Similarly, individuals who are initial recipients of catcher vessel QS can use a hired skipper in many cases, with appropriate levels of vessel ownership.

For example, regulations provide that: “An individual who receives an initial allocation of QS assigned to (catcher) vessel categories B, C, or D does not have to be on board and sign IFQ landing reports if that individual owns the vessel on which IFQ sablefish or halibut are harvested, and is represented on the vessel by a master employed by the individual who received the initial allocation of QS.” This provision is not extended to individuals who were initial QS recipients in the sablefish IFQ regulatory area east of 140° W. Longitude, the Southeast area.<sup>30</sup>

The rule requiring the initial QS holder to own the vessel that is being used to harvest the IFQ was meant to discourage leasing of QS. However, the regulation was not specific concerning the percentage ownership interest that the QS holder needed to have. There apparently were cases where an initial QS holder has purchased a very small fractional ownership interest in a vessel and then the skipper of that vessel fished all of the person's catcher vessel IFQ. Some of these

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<sup>29</sup> The rule change to allow catcher vessel QS holders to lease up to 10% of the current year IFQs associated with their QS occurred during 1996. The proposed rule change was published for comment in the *Federal Register* on April 24, 1996. The final rule was published in the *Federal Register* on August 9, 1996 and the rule became effective on September 9, 1996.

<sup>30</sup> See 50 CFR 679.42(i)(1), 50 CFR 679.42(i)(2), and 50 CFR 679.42(j). The regulatory area is the Eastern Regulatory Area, Southeast Outside District that is termed “Southeast” in the tables in this report.

arrangements may have been *de facto* leases. Since the QS holder appeared to be using a “hired skipper” and could have avoided a formal lease transaction, the 10% catcher vessel QS restriction could be circumvented. In other words, more than 10% of the IFQ associated with a person’s catcher vessel QS holdings for an area could be fished under such an arrangement.

While the Council wanted to allow the pre-IFQ practice of using hired skippers, it did not want to expand the leasing privilege. During 1997, the Council studied percentage ownership requirements and adopted a proposal which establishes a 20% minimum vessel ownership requirement in order to constrain this practice.<sup>31</sup> NMFS-RAM, acting on the Council’s intent, implemented revised regulations also authorizing “indirect” vessel ownership by QS holders, and became effective on June 9, 1999.

Although prohibited by regulation, Persons might also be able to circumvent the restrictions on leasing of catcher vessel QS if they sell their QS with a tacit understanding that the QS would be transferred back to the original QS holder at the end of a specific time. The authors have not examined the extent of returned transfers for this report.<sup>32</sup>

#### 4.1 Sablefish QS and QS Holder Lease Rates by IFQ Area

As noted above, the sablefish IFQ program’s rules provide for unlimited leasing of freezer vessel QS. However, during the first three years of the program, only 10% of a person’s catcher vessel QS for an area could be leased in a year.<sup>33</sup> Again, the rule providing for the lease of catcher vessel QS expired on January 2, 1998.

Table 4-1 provides a broad overview of sablefish leasing activity by management area and year over the 1995 through 2014 time period for all QS types including Freezer share. The table provides the year-end amounts of QS outstanding and the amount of QS that was leased during each year. A rough “QS lease rate” is calculated by dividing the amount of QS leased by the amount of QS outstanding at the end of each year and converting the resulting fraction into a percentage.

**TABLE 4-1. SABLEFISH QS AND QS HOLDER LEASE RATES BY IFQ AREA, 1995-2014**

AREA	YEAR	YEAR-END QS	LEASED QS	QS LEASE RATE(%)	YEAR-END PERSONS	UNIQUE LESSORS	LESSOR RATE(%)
SOUTHEAST	1995	65,352,762	1,259,409	1.9%	656	13	2.0%
	1996	65,829,475	1,231,178	1.9%	608	12	2.0%
	1997	65,938,762	1,585,938	2.4%	553	13	2.4%
	1998	65,967,848	1,976,867	3.0%	525	13	2.5%
	1999	65,996,934	2,227,600	3.4%	505	14	2.8%
	2000	66,030,961	2,210,438	3.3%	496	15	3.0%
	2001	66,030,961	2,311,765	3.5%	486	15	3.1%
	2002	66,030,961	2,167,316	3.3%	481	13	2.7%
	2003	66,119,746	3,362,536	5.1%	470	11	2.3%

<sup>31</sup> At its September 1997 meeting in Seattle, the Council adopted a proposal requiring initial recipients of catcher vessel QS who wanted to utilize a designated skipper to hold 20% ownership interest in the vessel used by their hired skipper. Some “grandfathered” privileges are included in the new rule that will allow some current QS holders who had used a hired skipper prior to April 17, 1997 to continue to use a hired skipper on a vessel in which they have a smaller percentage ownership interest. NMFS-RAM began implementing the Council’s intent in 1998. (See page 6, The IFQ Program: 1998 Report To The Fleet published in February 1998). These rules were incorporated into regulations as 50 CFR 679.42(i)(1) and 50 CFR 679.42(j) which became effective June 9, 1999.

<sup>32</sup> While it is possible that such arrangements may have occurred, transfers with agreements for repossession by the original owner are prohibited under 50 CFR 679.41(g)(4).

<sup>33</sup> See 50 CFR 679.41 (e) and (h).

AREA	YEAR	YEAR-END QS	LEASED QS	QS LEASE RATE(%)	YEAR-END PERSONS	UNIQUE LESSORS	LESSOR RATE(%)
	2004	66,120,619	1,912,574	2.9%	464	10	2.2%
	2005	66,120,619	1,756,893	2.7%	452	10	2.2%
	2006	66,120,619	1,826,079	2.8%	441	10	2.3%
	2007	66,120,619	1,858,622	2.8%	432	12	2.8%
	2008	66,120,619	3,374,357	5.1%	427	19	4.4%
	2009	66,120,619	2,630,227	4.0%	418	15	3.6%
	2010	66,120,619	3,419,848	5.2%	411	19	4.6%
	2011	66,120,619	2,839,427	4.3%	410	17	4.1%
	2012	66,120,619	1,499,210	2.3%	405	15	3.7%
	2013	66,120,619	2,388,493	3.6%	400	19	4.8%
	2014	66,120,619	3,642,523	5.5%	389	25	6.4%
	ALL YRS	1,320,625,219	45,481,300	3.44%	9,429	290	3.1%
W. YAKUTAT	1995	52,597,269	887,103	1.7%	420	12	2.9%
	1996	53,028,226	605,902	1.1%	392	7	1.8%
	1997	53,116,620	244,956	0.5%	350	6	1.7%
	1998	53,207,225	266,838	0.5%	341	7	2.1%
	1999	53,231,066	436,722	0.8%	320	8	2.5%
	2000	53,231,066	424,992	0.8%	303	8	2.6%
	2001	53,231,066	592,258	1.1%	300	9	3.0%
	2002	53,231,066	736,738	1.4%	296	8	2.7%
	2003	53,267,935	577,063	1.1%	287	7	2.4%
	2004	53,266,430	519,143	1.0%	280	6	2.1%
	2005	53,266,430	443,210	0.8%	276	5	1.8%
	2006	53,266,430	228,054	0.4%	265	6	2.3%
	2007	53,266,430	226,661	0.4%	259	5	1.9%
	2008	53,266,430	541,931	1.0%	247	8	3.2%
	2009	53,266,430	638,954	1.2%	245	9	3.7%
	2010	53,266,430	376,919	0.7%	240	7	2.9%
	2011	53,266,430	256,148	0.5%	238	5	2.1%
	2012	53,266,430	172,188	0.3%	238	4	1.7%
	2013	53,266,430	381,114	0.7%	236	6	2.5%
	2014	53,266,430	535,738	1.0%	232	7	3.0%
W. YAKUTAT	ALL YRS	1,064,072,269	9,092,632	0.9%	5,765	140	2.4%
C. GULF	1995	107,635,310	2,902,784	2.7%	592	14	2.4%
	1996	109,997,846	1,542,073	1.4%	553	12	2.2%
	1997	110,873,858	1,029,680	0.9%	496	8	1.6%
	1998	111,032,423	1,774,619	1.6%	479	9	1.9%
	1999	111,619,720	1,654,324	1.5%	459	9	2.0%
	2000	111,619,720	2,278,186	2.0%	448	11	2.5%
	2001	111,619,720	2,395,806	2.1%	443	10	2.3%
	2002	111,619,720	2,202,798	2.0%	437	10	2.3%
	2003	111,668,048	2,714,544	2.4%	433	10	2.3%
	2004	111,686,632	1,858,098	1.7%	429	9	2.1%
	2005	111,686,632	1,820,762	1.6%	413	9	2.2%
	2006	111,686,632	963,103	0.9%	406	10	2.5%
	2007	111,686,632	1,797,266	1.6%	398	9	2.3%
	2008	111,686,632	1,012,478	0.9%	386	10	2.6%
	2009	111,686,632	2,124,115	1.9%	377	12	3.2%
	2010	111,686,632	1,164,886	1.0%	378	10	2.6%
	2011	111,686,632	1,751,376	1.6%	369	10	2.7%
	2012	111,686,632	2,034,678	1.8%	374	10	2.7%
	2013	111,686,632	2,811,174	2.5%	369	14	3.8%
	2014	111,686,622	2,731,385	2.4%	365	15	4.1%
C. GULF	ALL YRS	2,226,239,307	38,564,135	1.73%	8,604	211	2.5%
W. GULF	1995	35,196,842	3,718,498	10.6%	217	9	4.1%
	1996	35,793,302	3,137,255	8.8%	211	4	1.9%
	1997	35,935,239	3,288,630	9.2%	197	7	3.6%
	1998	35,951,012	1,533,658	4.3%	187	7	3.7%
	1999	36,028,233	1,321,485	3.7%	185	5	2.7%

AREA	YEAR	YEAR-END QS	LEASED QS	QS LEASE RATE(%)	YEAR-END PERSONS	UNIQUE LESSORS	LESSOR RATE(%)
W. GULF	2000	35,547,351	1,987,498	5.6%	172	10	5.8%
	2001	36,027,236	2,039,459	5.7%	174	7	4.0%
	2002	36,027,236	1,867,060	5.2%	170	8	4.7%
	2003	36,027,236	3,502,949	9.7%	171	4	2.3%
	2004	36,027,710	2,119,804	5.9%	170	3	1.8%
	2005	36,027,154	1,626,825	4.5%	171	2	1.2%
	2006	36,029,579	1,651,313	4.6%	168	4	2.4%
	2007	36,029,579	1,463,219	4.1%	167	2	1.2%
	2008	36,029,579	1,859,654	5.2%	169	3	1.8%
	2009	36,029,579	1,710,776	4.7%	164	3	1.8%
	2010	36,029,579	1,789,867	5.0%	168	4	2.4%
	2011	36,029,579	1,674,887	4.6%	163	4	2.5%
	2012	36,029,579	1,832,214	5.1%	163	4	2.5%
	2013	36,029,579	2,143,336	5.9%	162	3	1.9%
	2014	36,029,579	2,190,428	6.1%	159	5	3.1%
W. GULF	ALL YRS	718,854,762	42,458,815	5.9%	3,508	98	2.8%
BERING SEA	1995	17,598,802	2,008,938	11.4%	138	8	5.8%
	1996	18,421,029	998,940	5.4%	135	4	3.0%
	1997	18,602,398	1,424,719	7.7%	131	6	4.6%
	1998	18,587,476	3,905,196	21.0%	128	9	7.0%
	1999	18,768,845	1,230,119	6.6%	127	6	4.7%
	2000	18,636,594	3,585,187	19.2%	115	8	7.0%
	2001	18,738,068	2,262,567	12.1%	115	7	6.1%
	2002	18,738,068	2,919,897	15.6%	112	8	7.1%
	2003	18,738,068	1,866,659	10.0%	112	6	5.4%
	2004	18,759,590	982,660	5.2%	112	3	2.7%
	2005	18,676,874	829,668	4.4%	115	3	2.6%
	2006	18,790,367	885,832	4.71%	113	2	1.8%
	2007	18,790,367	757,942	4.03%	113	3	2.7%
	2008	18,790,367	726,258	3.87%	110	2	1.8%
	2009	18,765,280	1,060,029	5.65%	105	5	4.8%
BERING SEA	2010	18,311,964	231,683	1.27%	101	4	4.0%
	2011	18,765,280	703,331	3.75%	103	4	3.9%
	2012	18,765,280	725,993	3.87%	102	4	3.9%
	2013	18,765,280	746,251	3.98%	102	5	4.9%
	2014	18,765,280	621,559	3.31%	100	4	4.0%
BERING SEA	ALL YRS	372,775,277	28,473,428	7.64%	2,289	101	4.4%
ALEUTIANS	1995	29,863,329	6,445,229	21.6%	125	10	8.0%
	1996	31,103,860	3,784,635	12.2%	130	5	3.8%
	1997	31,518,176	5,437,538	17.3%	124	6	4.8%
	1998	31,518,176	3,516,048	11.2%	119	9	7.6%
	1999	31,932,492	6,904,455	21.6%	112	6	5.4%
	2000	31,932,492	4,203,108	13.2%	104	7	6.7%
	2001	31,932,492	3,337,439	10.5%	97	8	8.2%
	2002	31,932,492	1,497,227	4.7%	98	4	4.1%
	2003	31,932,492	3,798,359	11.9%	95	3	3.2%
	2004	31,932,492	2,440,369	7.6%	98	3	3.1%
	2005	31,932,492	1,445,050	4.5%	100	3	3.0%
	2006	31,932,492	0	0.0%	99	0	0.0%
	2007	31,932,492	0	0.0%	94	0	0.0%
	2008	31,932,492	910,645	2.9%	92	1	1.1%
	2009	31,932,492	910,647	2.9%	94	1	1.1%
ALEUTIANS	2010	31,617,341	1,933,954	6.1%	93	3	3.2%
	2011	31,932,492	969,619	3.0%	92	2	2.2%
	2012	31,932,492	3,289,226	10.3%	90	4	4.4%
	2013	31,932,492	1,109,772	3.5%	90	2	2.2%
	2014	31,932,492	102,232	0.3%	87	1	1.1%
ALEUTIANS	ALL YRS	634,608,262	52,035,552	8.20%	2,033	78	3.8%

The table also contains an “All Years” row for each area which provides summary data over all years. The data in the row represent the sums of numbers over the nineteen years or ratios based upon the sums over all nineteen years.

As can be seen, the Aleutian Islands, Bering Sea, and Western Gulf had the highest percentages of QS leased over the 1995 through 2014 period. Over the entire time period, QS lease rates ranged from 0.9% in the West Yakutat Area to 11.4% in the Aleutian Islands Area.<sup>34</sup>

Table 4-1 also provides data on the number of year-end QS holders and the number of QS holders who leased some QS during the year. A rough “QS holder lease (lessor) rate” was calculated by dividing the number of QS lessors during the year by the number of year-end QS holders and converting the resulting fraction to a percentage. Over the entire 1995 through 2014 time period, the QS lessor rates ranged from 2.3% in the Central Gulf area to 4.4% in the Bering Sea area with a maximum rate in the Aleutians in 2001 of 8.3%.<sup>35</sup> Bering Sea and Aleutian Islands rates tended to be higher perhaps reflecting logistics differences of operating in those areas and relatively high percentage of QS issued in the freezer category.

#### **4.2 Sablefish QS and QS Holder Transfer and Lease Rates By Area and Vessel Category, 1995-2014**

Tables 4-2a and 4-2b provide more detailed summaries on sablefish QS and QS holder lease rates by area and vessel category for the years 1995 through 2014. For comparative purposes, QS and QS holder permanent transfer rates have also been included.

Leases and permanent transfers allow QS to move to persons who feel that they can use it more profitably and allow for consolidations of QS holdings and fishing operations either seasonally or permanently. The tables show that lease rates for freezer vessel QS were higher than permanent transfer rates for freezer vessel QS over the time period. In contrast, lease rates for catcher vessel QS were extremely low in most areas and lower than permanent transfer rates for catcher vessel QS. This is likely related to the restrictions on leasing catcher vessel QS.

Table 4-2a provides data for each area, year, and vessel category. It also provides summary data over the entire nineteen year time period. The table includes the amount of QS at the end of each year, the amount of QS transferred within each year, and the amount of QS leased within each year by area and vessel category. QS transfer rates and QS lease rates are calculated for each area, year, and vessel category. The methodology used to calculate these rates is the same as that described for Table 4-1.

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<sup>34</sup> The Bering Sea and Aleutian Island Areas are CDQ areas for sablefish.

<sup>35</sup> This report uses QS amounts shown in lease transactions on NMFS-RAM computerized files. In a few instances, these transactions appear to be in contradiction with respect to the actual amount of QS leased relative to the IFQ involved. For that reason, the QS rates show herein may be slight overestimates even though they accurately reflect data.

**TABLE 4-2A. SABLEFISH QS TRANSFER AND LEASE RATES, 1995-2014 BY AREA, YEAR, AND VESSEL CATEGORY**

AREA	YEAR	VESSEL CATEGORY	YEAR-END QS	TRANSFERRED QS	QS TRANSFER RATE (%)	LEASED QS	QS LEASE RATE (%)
SOUTHEAST	1995	FREEZER	6,070,255	270,348	4.5	1,250,725	20.6%
		GT 60 FT	13,542,232	1,017,460	7.5	8,684	0.1%
		LE 60 FT	45,740,275	4,610,012	10.1	0	0.0%
	1996	FREEZER	5,985,260	600,437	10	1,163,473	19.4%
		GT 60 FT	13,485,766	1,665,863	12.4	0	0.0%
		LE 60 FT	46,358,449	3,518,097	7.6	67,705	10.0%
	1997	FREEZER	6,041,780	325,355	5.4	1,121,892	18.6%
		GT 60 FT	13,460,403	661,090	4.9	112,623	0.8%
		LE 60 FT	46,436,579	4,128,868	8.9	351,423	0.8%
	1998	FREEZER	6,070,866	244,737	4	1,624,942	26.8%
		GT 60 FT	13,460,403	381,551	2.8	88,931	0.7%
		LE 60 FT	46,436,579	2,776,938	6	262,994	0.6%
	1999	FREEZER	6,099,952	142,072	2.3	1,875,675	30.7%
		GT 60 FT	13,435,647	645,870	4.8	88,931	0.7%
		LE 60 FT	46,461,335	4,542,184	9.8	262,994	0.6%
	2000	FREEZER	6,133,979	325,355	5.3%	1,991,758	32.5%
		GT 60 FT	13,434,040	661,090	4.9%	88,927	0.7%
		LE 60 FT	46,462,942	4,128,868	8.9%	129,753	0.3%
	2001	FREEZER	6,133,979	88,970	1.5%	2,182,011	35.6%
		GT 60 FT	13,434,040	469,488	3.5%		0.0%
		LE 60 FT	46,462,942	2,211,471	4.8%	129,754	0.3%
	2002	FREEZER	6,133,979	211,570	3.4%	2,037,564	33.2%
		GT 60 FT	13,434,040	1,775,616	13.2%		0.0%
		LE 60 FT	46,551,727	3,923,497	8.4%	129,753	0.3%
	2003	FREEZER	6,133,979	117,078	1.9%	3,237,506	52.8%
		GT 60 FT	13,434,913	1,403,887	10.4%		0.0%
		LE 60 FT	46,551,727	4,144,068	8.9%	125,029	0.3%
	2004	FREEZER	6,133,979	8,191	0.1%	1,912,574	31.2%
		GT 60 FT	13,434,913	443,784	3.3%		0.0%
		LE 60 FT	46,551,727	2,960,227	6.4%		0.0%
	2005	FREEZER	6,133,979	54,897	0.9%	1,244,075	20.3%
		GT 60 FT	13,434,913	1,830,994	13.6%		0.0%
		LE 60 FT	46,551,727	4,312,630	9.3%	512,818	1.1%
	2006	FREEZER	6,133,979	29,112	0.5%	1,245,271	20.3%
		GT 60 FT	13,435,064	377,888	2.8%		0.0%
		LE 60 FT	46,551,576	2,975,637	6.4%	580,808	1.2%
	2007	FREEZER	6,133,979	505,891	8.20%	967,753	15.8%
		GT 60 FT	13,435,064	395,164	2.90%		0.0%
		LE 60 FT	46,551,576	2,733,387	5.90%	890,869	1.9%
	2008	FREEZER	6,133,979	303,036	4.90%	831,040	13.5%
		GT 60 FT	13,435,064	613,035	4.60%		0.0%
		LE 60 FT	46,551,576	1,733,444	3.70%	2,543,316	5.5%

AREA	YEAR	VESSEL CATEGORY	YEAR-END QS	TRANSFERRED QS	QS TRANSFER RATE (%)	LEASED QS	QS LEASE RATE (%)
SOUTHEAST	2009	FREEZER	6,133,979	643,820	5.10%	748,393	12.2%
		GT 60 FT	13,435,064	837,472	6.20%		0.0%
		LE 60 FT	46,551,576	735,232	1.50%	1,881,834	4.0%
			66,120,619	2,216,524	12.80%	2,630,227	
	2010	FREEZER	6,133,979	584,497	5.10%	813,929	13.3%
		GT 60 FT	13,435,064	385,395	6.20%	277,905	2.1%
		LE 60 FT	46,551,576	1,575,085	1.50%	2,328,014	5.0%
	2011	FREEZER	6,133,979	154,093	5.10%	821,498	13.4%
		GT 60 FT	13,435,064	794,031	6.20%	754,791	5.6%
		LE 60 FT	46,551,576	1,481,028	1.50%	1,263,137	2.7%
	2012	Freezer	6,133,979	167,700	5.10%	810,847	13.2%
		GT 60 ft.	13,435,064	451,213	6.20%		
		LE 60 ft.	46,551,576	1,168,243	1.50%	688,362	1.5%
	2013	Freezer	6,133,979	37,257	5.10%	786,224	12.8%
		GT 60 ft.	13,435,064	57,696	6.20%		
		LE 60 ft.	46,551,576	913,605	1.50%	1,602,269	3.4%
	2014	Freezer	6,133,979	251,736	5.10%	770,681	12.6%
		GT 60 ft.	13,435,260	193,327	6.20%	607,076	4.5%
		LE 60 ft.	46,551,380	2,528,779	1.50%	2,264,767	4.9%
	ALL	FREEZER	122,277,798	5,066,152	4.1%	27,437,831	22.4%
		GT 60 FT	268,907,082	15,061,914	5.6%	2,027,868	0.8%
		LE 60 FT	929,529,997	57,101,300	6.1%	16,015,599	1.7%
W. YAKUTAT	1995	FREEZER	4,266,270	198,867	4.7%	823,074	19.3%
		GT 60 FT	32,059,405	1,509,862	4.7%	64,029	0.2%
		LE 60 FT	16,271,594	1,569,741	9.6%	0	0.0%
	1996	FREEZER	4,279,728	484,520	11.3	605,902	14.2%
		GT 60 FT	32,170,690	1,546,931	4.8	0	0.0%
		LE 60 FT	16,577,808	1,819,959	11	0	0.0%
	1997	FREEZER	4,326,056	332,112	7.7	244,956	5.7%
		GT 60 FT	32,192,683	2,083,535	6.5	0	0.0%
		LE 60 FT	16,597,881	1,728,334	10.4	0	0.0%
	1998	FREEZER	4,349,897	92,123	2.1	249,381	5.7%
		GT 60 FT	32,261,525	1,389,662	4.3	0	0.0%
		LE 60 FT	16,595,803	631,930	3.8	17,457	0.1%
	1999	FREEZER	4,373,738	354,935	8.1	419,265	9.6%
		GT 60 FT	32,261,525	1,038,209	3.2	0	0.0%
		LE 60 FT	16,595,803	2,204,774	13.3	17,457	0.1%
	2000	FREEZER	4,373,738	88,257	2.0%	424,992	9.7%
		GT 60 FT	32,261,525	1,096,698	3.4%		0.0%
		LE 60 FT	16,595,803	1,659,371	10.0%		0.0%
	2001	FREEZER	4,373,738	-	0.0%	592,258	13.5%
		GT 60 FT	32,261,525	1,439,126	4.5%		0.0%
		LE 60 FT	16,595,803	471,906	2.8%		0.0%
	2002	FREEZER	4,373,738	122,912	2.8%	736,738	16.8%

AREA	YEAR	VESSEL CATEGORY	YEAR-END QS	TRANSFERRED QS	QS TRANSFER RATE (%)	LEASED QS	QS LEASE RATE (%)		
		GT 60 FT	32,260,508	1,665,241	5.2%		0.0%		
		LE 60 FT	16,595,795	682,443	4.1%		0.0%		
		2003	FREEZER	4,373,738	90,979	2.1%	343,743	7.9%	
		GT 60 FT	32,260,508	1,617,995	5.0%	233,320	0.7%		
		LE 60 FT	16,632,664	669,584	4.0%		0.0%		
		2004	FREEZER	4,373,738	382,874	8.8%	215,384	4.9%	
		GT 60 FT	32,261,214	106,431	0.3%	233,316	0.7%		
		LE 60 FT	16,630,453	678,284	4.1%	70,443	0.4%		
		2005	FREEZER	4,373,738	16,224	0.4%	209,885	4.8%	
		GT 60 FT	32,261,214	1,719,850	5.3%	233,324	0.7%		
		LE 60 FT	16,609,747	570,837	3.4%		0.0%		
		2006	FREEZER	4,373,738	473,710	10.8%	228,054	5.2%	
		GT 60 FT	32,261,214	233,319	0.7%		0.0%		
		LE 60 FT	16,630,453	522,635	3.1%		0.0%		
		2007	FREEZER	4,373,738	156,827	3.6%	226,661	5.2%	
		GT 60 FT	32,262,359	2,127,780	6.6%		0.0%		
		LE 60 FT	16,630,333	1,612,659	9.7%		0.0%		
		2008	FREEZER	4,373,738	156,982	3.6%	225,942	5.2%	
		GT 60 FT	32,262,359	402,619	1.2%	218,614	0.7%		
		LE 60 FT	16,630,333	885,658	5.3%	97,376	0.6%		
		2009	FREEZER	4,373,738		0.0%	216,895	5.0%	
		GT 60 FT	32,262,359	353,182	1.1%	318,817	1.0%		
		LE 60 FT	16,630,333	100,623	0.6%	103,241	0.6%		
		2010	FREEZER	4,373,738	33,360	0.8%	203,625	4.7%	
		GT 60 FT	32,262,359	220,610	0.7%	58,622	0.2%		
		LE 60 FT	16,630,333	380,388	2.3%	114,673	0.7%		
		2011	FREEZER	4,373,738	300,126	6.9%	95,579	2.2%	
		GT 60 FT	32,262,359	1,122,509	3.5%	45,899	0.1%		
		LE 60 FT	16,630,333	979,243	5.9%	114,670	0.7%		
		2012	Freezer	4,373,738	337,554	7.7%	95,583	2.2%	
		GT 60 ft.	32,262,359	50,660	0.2%		0.0%		
		LE 60 ft.	16,630,333	174,918	1.1%	76,605	0.5%		
		2013	Freezer	4,373,738	0	0.0%	102,177	2.3%	
		GT 60 ft.	32,262,359	0	0.0%	197,619	0.6%		
		LE 60 ft.	16,630,333	80,224	0.5%	81,318	0.5%		
		2014	Freezer	4,373,738		0.0%	95,580	2.2%	
		GT 60 ft.	32,262,359	807,024	2.5%	218,617	0.7%		
		LE 60 ft.	16,630,333	422,546	2.5%	221,542	1.3%		
		W. YAKUTAT	ALL	FREEZER	87,201,759	3,622,362	4.2%	6,355,674	7.3%
				GT 60 FT	644,872,408	20,531,243	3.2%	1,822,177	0.3%
				LE 60 FT	331,972,271	17,846,057	5.4%	914,782	0.3%
		C. GULF	1995	FREEZER	15,067,735	563,533	3.7	2,902,784	19.3%
				GT 60 FT	52,735,414	2,888,961	5.5	0	0.0%
				LE 60 FT	39,832,161	4,380,982	11	0	0.0%

AREA	YEAR	VESSEL CATEGORY	YEAR-END QS	TRANSFERRED QS	QS TRANSFER RATE (%)	LEASED QS	QS LEASE RATE (%)
	1996	FREEZER	16,129,641	1,357,590	8.4	1,495,362	9.3%
		GT 60 FT	52,874,736	3,716,581	7	0	0.0%
		LE 60 FT	40,993,469	4,327,407	10.6	46,711	0.1%
	1997	FREEZER	16,922,204	1,715,121	10.1	915,675	5.4%
		GT 60 FT	52,921,573	5,425,820	10.3	114,005	0.2%
		LE 60 FT	41,030,081	4,230,583	10.3	0	0.0%
	1998	FREEZER	16,969,807	234,434	1.4	1,736,142	10.2%
		GT 60 FT	53,025,668	1,228,754	2.3	0	0.0%
		LE 60 FT	41,036,948	3,159,943	7.7	38,477	0.1%
	1999	FREEZER	17,557,104	1,281,046	6.4	1,615,847	9.2%
		GT 60 FT	53,025,668	4,302,556	7.5	0	0.0%
		LE 60 FT	41,036,948	2,204,273	5.3	38,477	0.1%
	2000	FREEZER	17,557,104	714,700	4.1%	2,278,186	13.0%
		GT 60 FT	53,025,668	3,582,712	6.8%	0	0.0%
		LE 60 FT	41,036,948	4,229,065	10.3%	0	0.0%
	2001	FREEZER	17,557,104	5,230,011	29.8%	2,395,806	13.6%
		GT 60 FT	53,025,668	3,060,580	5.8%		0.0%
		LE 60 FT	41,036,948	1,419,213	3.5%		0.0%
	2002	FREEZER	17,557,104	1,743,337	9.9%	2,202,798	12.5%
		GT 60 FT	53,025,668	3,002,453	5.7%		0.0%
		LE 60 FT	41,085,276	2,927,987	7.1%		0.0%
	2003	FREEZER	17,557,104	689,583	3.9%	1,595,924	9.1%
		GT 60 FT	53,044,252	4,183,341	7.9%	1,118,620	2.1%
		LE 60 FT	41,085,276	3,114,130	7.6%		0.0%
	2004	FREEZER	17,557,104	632,441	3.6%	741,498	4.2%
		GT 60 FT	53,044,252	1,182,043	2.2%	1,116,601	2.1%
		LE 60 FT	41,085,276	1,938,021	4.7%		0.0%
	2005	FREEZER	17,557,104	5,913	0.0%	713,669	4.1%
		GT 60 FT	53,044,252	2,164,835	4.1%	1,107,093	2.1%
		LE 60 FT	41,085,276	1,763,501	4.3%		0.0%
	2006	FREEZER	17,557,104	3,654,957	20.8%	789,737	4.5%
		GT 60 FT	53,044,252	2,454,942	4.6%	173,366	0.3%
		LE 60 FT	41,085,276	1,179,417	2.9%		0.0%
	2007	FREEZER	17,557,104	1,013,361	5.8%	793,593	4.5%
		GT 60 FT	53,044,252	4,045,843	7.6%	1,003,674	1.9%
		LE 60 FT	41,085,276	3,190,988	7.8%		0.0%
	2008	FREEZER	17,557,104	506,990	2.9%	703,516	4.0%
		GT 60 FT	53,057,658	3,193,767	6.0%	173,375	0.3%
		LE 60 FT	41,071,870	1,798,043	4.4%	135,587	0.3%
	2009	FREEZER	17,557,104	506,681	2.9%	703,529	4.0%
		GT 60 FT	53,057,658	936,812	1.8%	1,178,132	2.2%
		LE 60 FT	41,071,870	475,685	1.2%	242,454	0.6%
	2010	FREEZER	17,557,104	3,099,284	17.7%	811,989	4.6%
		GT 60 FT	53,057,658	936,812	1.8%	129,811	0.2%
		LE 60 FT	41,071,870	842,207	2.1%	223,087	0.5%

AREA	YEAR	VESSEL CATEGORY	YEAR-END QS	TRANSFERRED QS	QS TRANSFER RATE (%)	LEASED QS	QS LEASE RATE (%)
C. GULF	2011	FREEZER	17,557,104	572,329	3.3%	627,501	3.6%
		GT 60 FT	53,057,658	1,135,682	2.1%	711,722	1.3%
		LE 60 FT	41,071,870	1,758,192	4.3%	412,153	1.0%
	2012	Freezer	17,557,104	893,924	5.1%	791,542	4.5%
		GT 60 ft.	53,057,658	947,855	1.8%	917,304	1.7%
		LE 60 ft.	41,071,860	1,154,080	2.8%	325,833	0.8%
	2013	Freezer	17,557,104		0.0%	783,652	4.5%
		GT 60 ft.	53,057,658	765,392	1.4%	1,030,106	1.9%
		LE 60 ft.	41,071,860	952,538	2.3%	997,416	2.4%
	2014	Freezer	17,557,104	34,356	0.2%	650,867	3.7%
		GT 60 ft.	53,057,658	1,127,291	2.1%	1,367,938	2.6%
		LE 60 ft.	41,071,860	1,869,564	4.6%	712,580	1.7%
	ALL	FREEZER	346,003,051	24,449,591	7.1%	25,249,617	7.3%
		GT 60 FT	1,060,284,929	50,283,032	4.7%	10,141,747	1.0%
		LE 60 FT	820,018,219	46,915,819	5.7%	3,172,775	0.4%
	1995	FREEZER	13,398,039	44,223	0.3	3,718,498	27.8%
		GT 60 FT	15,330,271	333,425	2.2	0	0.0%
		LE 60 FT	6,468,532	1,530,851	23.7	0	0.0%
	1996	FREEZER	13,469,942	1,918,954	14.2	3,137,255	23.3%
		GT 60 FT	15,545,162	727,606	4.7	0	0.0%
		LE 60 FT	6,778,198	846,989	12.5	0	0.0%
	1997	FREEZER	13,578,407	125,774	0.9	3,288,630	24.2%
		GT 60 FT	15,590,669	1,052,556	6.8	0	0.0%
		LE 60 FT	6,766,163	1,358,715	20.1	0	0.0%
	1998	FREEZER	13,594,180	97,620	0.7	1,533,658	11.3%
		GT 60 FT	15,591,876	1,362,289	8.7	0	0.0%
		LE 60 FT	6,764,956	586,829	8.7	0	0.0%
	1999	FREEZER	13,671,401	295,085	2.2	1,321,485	9.7%
		GT 60 FT	15,591,876	1,407,931	9	0	0.0%
		LE 60 FT	6,764,956	807,554	11.9	0	0.0%
	2000	FREEZER	13,671,401		0.0%	1,824,031	13.3%
		GT 60 FT	15,592,748	1,390,305	8.9%	94,468	0.6%
		LE 60 FT	6,764,956	834,111	12.3%	69,000	1.0%
	2001	FREEZER	13,671,401	2,288,374	16.7%	2,039,459	14.9%
		GT 60 FT	15,592,748	2,494,692	16.0%		0.0%
		LE 60 FT	6,764,956	1,009,363	14.9%		0.0%
	2002	FREEZER	13,671,401	583,439	4.3%	1,770,901	13.0%
		GT 60 FT	15,592,748	2,107,307	13.5%		0.0%
		LE 60 FT	6,764,956	315,653	4.7%	96,159	1.4%
	2003	FREEZER	13,671,401		0.0%	3,502,949	25.6%
		GT 60 FT	15,593,222	1,698,800	10.9%		0.0%
		LE 60 FT	6,764,956	1,323,985	19.6%		0.0%
	2004	FREEZER	13,671,401	90,121	0.7%	2,119,804	15.5%
		GT 60 FT	15,593,222	1,683,508	10.8%		0.0%

AREA	YEAR	VESSEL CATEGORY	YEAR-END QS	TRANSFERRED QS	QS TRANSFER RATE (%)	LEASED QS	QS LEASE RATE (%)
W. GULF	2005	LE 60 FT	6,764,956	1,214,734	18.0%		0.0%
		FREEZER	13,671,401		0.0%	1,626,825	11.9%
		GT 60 FT	15,593,222	2,384,596	15.3%		0.0%
	2006	LE 60 FT	6,764,956	1,004,299	14.8%		0.0%
		FREEZER	13,671,401	1,000,415	7.3%	1,651,313	12.1%
		GT 60 FT	15,596,926	1,120,282	7.2%		0.0%
	2007	LE 60 FT	6,761,252	1,032,768	15.3%		0.0%
		FREEZER	13,671,401	692,748	5.1%	1,463,219	10.7%
		GT 60 FT	15,596,926	1,157,488	7.4%		0.0%
	2008	LE 60 FT	6,761,252	2,899,608	42.9%		0.0%
		FREEZER	13,671,401	392,490	2.9%	1,601,799	11.7%
		GT 60 FT	15,596,926	1,614,687	10.4%	120,659	0.8%
	2009	LE 60 FT	6,761,252	865,663	12.8%	137,196	2.0%
		FREEZER	13,671,401	4,745,961	34.7%	1,452,914	10.6%
		GT 60 FT	15,596,926	965,204	6.2%	120,666	0.8%
	2010	LE 60 FT	6,761,252	103,456	1.5%	137,196	2.0%
		FREEZER	13,671,401	1,440,865	10.5%	1,452,918	10.6%
		GT 60 FT	15,596,926	1,126,859	7.2%	120,664	0.8%
	2011	LE 60 FT	6,761,252	743,288	11.0%	216,285	3.2%
		FREEZER	13,671,401	308,505	2.3%	1,452,908	10.6%
		GT 60 FT	15,596,926	778,151	5.0%		0.0%
	2012	LE 60 FT	6,761,252	824,482	12.2%	221,979	3.3%
		Freezer	13,671,401	751,858	5.5%	1,452,917	10.6%
		GT 60 ft.	15,596,926	116,408	0.7%	295,046	1.9%
	2013	LE 60 ft.	6,761,252	315,609	4.7%	84,251	1.2%
		Freezer	13,671,401	679,062	5.0%	1,665,029	12.2%
		GT 60 ft.	15,596,926	472,797	3.0%	314,635	2.0%
	2014	LE 60 ft.	6,761,252	274,201	4.1%	163,672	2.4%
		Freezer	13,671,401	268,723	2.0%	1,452,914	10.6%
		GT 60 ft.	15,596,926	259,144	1.7%	647,172	4.1%
	ALL	LE 60 ft.	6,761,252	105,221	1.6%	90,342	1.3%
		FREEZER	272,782,984	15,724,217	5.8%	39,529,426	14.5%
		GT 60 FT	311,580,098	24,254,035	7.8%	1,713,310	0.5%
	BERING SEA	LE 60 FT	134,983,809	17,997,379	13.3%	1,216,080	0.9%
		FREEZER	6,654,211	237,952	3.6	2,008,938	30.2%
		GT 60 FT	7,773,286	235,905	3	0	0.0%
	1995	LE 60 FT	3,171,305	529,670	16.7	0	0.0%
		FREEZER	7,107,489	779,205	11	998,940	14.1%
		GT 60 FT	7,773,286	295,952	3.8	0	0.0%
	1996	LE 60 FT	3,540,254	451,586	12.8	0	0.0%
		FREEZER	7,288,858	360,448	4.9	1,424,719	19.5%
		GT 60 FT	7,773,286	258,139	3.3	0	0.0%
	1997	LE 60 FT	3,540,254	648,407	18.3	0	0.0%
		FREEZER	7,288,858	2,294,040	31.5	3,905,196	53.6%
		GT 60 FT	7,288,858				

AREA	YEAR	VESSEL CATEGORY	YEAR-END QS	TRANSFERRED QS	QS TRANSFER RATE (%)	LEASED QS	QS LEASE RATE (%)
		GT 60 FT	7,758,364	53,007	0.7	0	0.0%
		LE 60 FT	3,540,254	0	0	0	0.0%
	1999	FREEZER	7,470,227	784,638	10.5%	1,230,119	16.5%
		GT 60 FT	7,758,364	1,542,152	19.9%	0	0.0%
		LE 60 FT	3,540,254	181,379	5.1%	0	0.0%
	2000	FREEZER	7,470,227		0.0%	3,585,187	48.0%
		GT 60 FT	7,758,364	1,499,004	19.3%		0.0%
		LE 60 FT	3,540,254	688,170	19.4%		0.0%
	2001	FREEZER	7,470,227	927,980	12.4%	2,262,567	30.3%
		GT 60 FT	7,758,364	1,295,958	16.7%	0	0.0%
		LE 60 FT	3,540,254	222,810	6.3%	0	0.0%
	2002	FREEZER	7,470,227	1,130,791	15.1%	2,919,897	39.1%
		GT 60 FT	7,758,364	1,260,460	16.2%		0.0%
		LE 60 FT	3,540,254	23,860	0.7%		0.0%
	2003	FREEZER	7,470,227	2,862,709	38.3%	1,866,659	25.0%
		GT 60 FT	7,779,886	2,443,732	31.4%	0	0.0%
		LE 60 FT	3,540,254	111,163	3.1%	0	0.0%
	2004	FREEZER	7,470,227	90,212	1.2%	982,660	13.2%
		GT 60 FT	7,779,886	767,107	9.9%	0	0.0%
		LE 60 FT	3,540,254	907,265	25.6%	0	0.0%
	2005	FREEZER	7,470,227	969,025	13.0%	829,668	11.1%
		GT 60 FT	7,779,886	611,725	7.9%	0	0.0%
		LE 60 FT	3,540,254		0.0%	0	0.0%
	2006	FREEZER	7,470,227	333,389	4.5%	885,832	11.9%
		GT 60 FT	7,779,886	331,752	4.3%	0	0.0%
		LE 60 FT	3,540,254	598,144	16.9%	0	0.0%
	2007	FREEZER	7,470,227	-	0.0%	757,942	10.1%
		GT 60 FT	7,779,886	556,755	7.2%	0	0.0%
		LE 60 FT	3,540,254	659,995	18.6%	0	0.0%
	2008	FREEZER	7,470,227	82,326	1.1%	726,258	9.7%
		GT 60 FT	7,779,886	1,643,577	21.1%	0	0.0%
		LE 60 FT	3,540,254	399,031	11.3%	0	0.0%
	2009	FREEZER	7,470,227	391,695	5.2%	913,613	12.2%
		GT 60 FT	7,754,799	196,190	2.5%	72,315	0.9%
		LE 60 FT	3,540,254	766,877	21.7%	74,101	2.1%
	2010	FREEZER	7,470,227	2,787,380	37.3%	144,779	1.9%
		GT 60 FT	7,754,799	2,311,553	29.8%	86,903	1.1%
		LE 60 FT	3,540,254	90,804	2.6%	0	0.0%
	2011	FREEZER	7,470,227	628,770	8.4%	0	0.0%
		GT 60 FT	7,754,799	1,916,095	24.7%	660,787	8.5%
		LE 60 FT	3,540,254	42,546	1.2%	42,545	1.2%
	2012	Freezer	7,470,227	77,920	1.0%		0.0%
		GT 60 ft.	7,754,799	520,151	6.7%	517,747	6.7%
		LE 60 ft.	3,540,254	226,924	6.4%	208,246	5.9%

AREA	YEAR	VESSEL CATEGORY	YEAR-END QS	TRANSFERRED QS	QS TRANSFER RATE (%)	LEASED QS	QS LEASE RATE (%)
BERING SEA	2013	Freezer	7,470,227	46,306	0.6%		0.0%
		GT 60 ft.	7,754,799	1,490,116	19.2%	519,255	6.7%
		LE 60 ft.	3,540,254	107,131	3.0%	226,996	6.4%
	2014	Freezer	7,470,227		0.0%		0.0%
		GT 60 ft.	7,754,799	392,815	5.1%	517,749	6.7%
		LE 60 ft.	3,540,254	306,550	8.7%	103,811	2.9%
	ALL	FREEZER	147,863,048	14,784,786	10.0%	25,442,974	17.2%
		GT 60 FT	155,319,788	19,622,145	12.6%	2,374,756	1.5%
		LE 60 FT	70,436,131	6,962,312	9.9%	655,699	0.9%
	1995	FREEZER	16,374,036	695,809	4.2	6,445,229	39.4%
		GT 60 FT	11,086,468	550,180	5	0	0.0%
		LE 60 FT	2,402,825	897,635	37.4	0	0.0%
	1996	FREEZER	17,123,651	1,213,703	7.1	3,784,635	22.1%
		GT 60 FT	11,319,633	352,931	3.1	0	0.0%
		LE 60 FT	2,660,576	496,076	18.6	0	0.0%
	1997	FREEZER	17,537,967	3,560,809	20.3	5,437,538	31.0%
		GT 60 FT	11,319,633	743,433	6.6	0	0.0%
		LE 60 FT	2,660,576	612,934	23	0	0.0%
	1998	FREEZER	17,537,967	633,790	3.6	3,516,048	20.0%
		GT 60 FT	11,319,633	1,501,959	13.3	0	0.0%
		LE 60 FT	2,660,576	391,026	14.7	0	0.0%
	1999	FREEZER	17,952,283	790,836	4.4	6,904,455	38.5%
		GT 60 FT	11,319,633	3,937,790	34.8	0	0.0%
		LE 60 FT	2,660,576	79,102	3	0	0.0%
	2000	FREEZER	17,952,283	790,836	4.4%	4,203,108	23.4%
		GT 60 FT	11,319,633	3,937,790	34.8%	0	0.0%
		LE 60 FT	2,660,576	79,102	3.0%	0	0.0%
	2001	FREEZER	17,952,283	1,108,521	6.2%	3,337,439	18.6%
		GT 60 FT	11,319,633	988,765	8.7%	0	0.0%
		LE 60 FT	2,660,576	278,214	10.5%	0	0.0%
	2002	FREEZER	17,952,283	1,639,258	9.1%	1,497,227	8.3%
		GT 60 FT	11,319,633	1,617,966	14.3%	0	0.0%
		LE 60 FT	2,660,576	230,261	8.7%	0	0.0%
	2003	FREEZER	17,952,283	2,760,605	15.4%	3,798,359	21.2%
		GT 60 FT	11,319,633	698,573	6.2%	0	0.0%
		LE 60 FT	2,660,576	617,942	23.2%	0	0.0%
	2004	FREEZER	17,952,283	282,769	1.6%	2,321,050	12.9%
		GT 60 FT	11,319,633	3,219,850	28.4%	0	0.0%
		LE 60 FT	2,660,576	522,128	19.6%	119,319	4.5%
	2005	FREEZER	17,952,283	311,496	1.7%	1,445,050	8.0%
		GT 60 FT	11,319,633	792,700	7.0%	0	0.0%
		LE 60 FT	2,660,576	272,269	10.2%	0	0.0%
	2006	FREEZER	17,952,283	2,900,646	16.2%	0	0.0%
		GT 60 FT	11,319,633	2,989,377	26.4%	0	0.0%
		LE 60 FT	2,660,576	212,608	8.0%	0	0.0%

AREA	YEAR	VESSEL CATEGORY	YEAR-END QS	TRANSFERRED QS	QS TRANSFER RATE (%)	LEASED QS	QS LEASE RATE (%)
	2007	FREEZER	17,952,283	3,673,934	20.5%	0	0.0%
		GT 60 FT	11,319,633	1,198,450	10.6%	0	0.0%
		LE 60 FT	2,660,576	708,092	26.6%	0	0.0%
	2008	FREEZER	17,952,283	969,880	5.4%	910,645	5.1%
		GT 60 FT	11,319,633	1,563,403	13.8%	0	0
		LE 60 FT	2,660,576	208,517	7.8%	0	0
	2009	FREEZER	17,952,283	3,831,578	21.3%	910,647	5.1%
		GT 60 FT	11,319,633	1,289,891	11.4%	0	0
		LE 60 FT	2,660,576	314,388	11.8%	0	0
	2010	FREEZER	7,470,227	1,612,021	21.6%	1,933,954	25.9%
		GT 60 FT	7,754,799	1,158,313	14.9%	0	0.0%
		LE 60 FT	3,540,254	181,513	5.1%	0	0.0%
	2011	FREEZER	7,470,227	1,179,347	15.8%	910,643	12.2%
		GT 60 FT	7,754,799	4,276,913	55.2%	0	0.0%
		LE 60 FT	3,540,254	262,960	7.4%	58,976	1.7%
	2012	Freezer	17,952,283	1,407,017	7.8%	2,207,687	12.3%
		GT 60 ft.	11,319,633	3,848,303	34.0%	0	0.0%
		LE 60 ft.	2,660,576	242,510	9.1%	1,081,539	40.7%
	2013	Freezer	17,952,283	48,278	0.3%	997,772	5.6%
		GT 60 ft.	11,319,633	516,186	4.6%	0	0.0%
		LE 60 ft.	2,660,576	309,623	11.6%	111,999	4.2%
	2014	Freezer	17,952,283	2,721,856	15.2%	0	0.0%
		GT 60 ft.	11,319,633	1,732,146	15.3%	0	0.0%
		LE 60 ft.	2,660,576	328,400	12.3%	102,232	0.0%
ALEUTIANS	ALL	FREEZER	334,846,037	32,132,989	9.6%	50,561,486	15.1%
		GT 60 FT	219,029,827	36,914,919	16.9%	-	0.0%
		LE 60 FT	54,713,125	7,245,300	13.2%	1,474,065	2.7%

The table indicates that freezer vessel QS lease and transfer rates differ sharply from catcher vessel QS lease and transfer rates. Leasing of QS was largely confined to freezer vessels over the 1995 through 2014 time period. This can be seen by the relatively high freezer vessel QS lease rates shown in Table 4-2a.

For example, over the first nineteen years of the IFQ program, average lease rates for freezer vessel QS ranged from 8.2% in the West Yakutat area to 24.1% in the Southeast.

While catcher vessel QS lease rates were very low and freezer vessel QS lease rates were substantial, permanent transfer rates show a somewhat different pattern. Over the 1995-2014 period, transfer rates for QS in the “60 feet or less” catcher vessel category were higher than permanent transfer rates for freezer vessel QS in all areas except the Bering Sea and the Central Gulf in which the two rates were very similar.

Table 4-2b provides similar data for QS holders by area and vessel category. Again, data are provided for the 1995 and 2014 time period. The table includes the number of QS holders at the end of each year, the number of QS holders with transfers within each

year, and the number of QS holders with leases within each year. QS holder transfer rates and QS holder (lessor) lease rates are calculated for each area, year, and vessel category.

**TABLE 4-2B. SABLEFISH QS TRANSFER AND LEASE RATES, 1995-2014 BY AREA, YEAR, AND VESSEL CATEGORY**

AREA	YEAR	VESSEL CATEGORY	YEAR-END PERSONS	PERSON WITH TRANSFERS QS	TRANSFER RATE %	UNIQUE LESSORS	QS LESSORS RATE (%)
SOUTHEAST	1995	FREEZER	44	6	13.6%	12	27.3%
		GT 60 FT	117	18	15.4%	1	0.9%
		LE 60 FT	500	118	23.6%	0	0.0%
	1996	FREEZER	41	9	22.0%	9	22.0%
		GT 60 FT	110	20	18.2%	0	0.0%
		LE 60 FT	463	91	19.7%	3	0.6%
	1997	FREEZER	38	9	23.7%	8	21.1%
		GT 60 FT	104	14	13.5%	2	1.9%
		LE 60 FT	422	87	20.6%	3	0.7%
	1998	FREEZER	40	3	7.5%	11	27.5%
		GT 60 FT	102	7	6.9%	1	1.0%
		LE 60 FT	397	42	10.6%	1	0.3%
	1999	FREEZER	41	4	9.8%	12	29.3%
		GT 60 FT	110	11	10.0%	1	0.9%
		LE 60 FT	463	42	9.1%	1	0.2%
	2000	FREEZER	614				
		GT 60 FT	41	4	9.8%	13	31.7%
		LE 60 FT	91	10	11.0%	1	1.1%
	2001	FREEZER	370	36	9.7%	1	0.3%
		GT 60 FT	39	2	5.1%	14	35.9%
		LE 60 FT	91	2	2.2%		
	2002	FREEZER	362	31	8.6%	1	0.3%
		GT 60 FT	39	4	10.3%	12	30.8%
		LE 60 FT	90	12	13.3%		
	2003	FREEZER	359	32	8.9%	1	0.3%
		GT 60 FT	36	4	11.1%	10	27.8%
		LE 60 FT	88	13	14.8%	0	0.0%
	2004	FREEZER	353	51	14.4%	1	0.3%
		GT 60 FT	35	1	2.9%	10	28.6%
		LE 60 FT	86	5	5.8%	0	0.0%
	2005	FREEZER	352	28	8.0%	0	0.0%
		GT 60 FT	34	2	5.9%	8	23.5%
		LE 60 FT	84	9	10.7%		
	2006	FREEZER	342	42	12.3%	2	0.6%
		GT 60 FT	34	2	5.9%	8	23.5%
		LE 60 FT	83	4	4.8%		0.0%
			333	34	10.2%	2	0.6%

AREA	YEAR	VESSEL CATEGORY	YEAR-END PERSONS	PERSON WITH TRANSFERS QS	TRANSFER RATE %	UNIQUE LESSORS	QS LESSORS RATE (%)
SOUTHEAST	2007	FREEZER	34	2	5.9%	8	23.5%
		GT 60 FT	84	12	14.3%		0.0%
		LE 60 FT	328	35	10.7%	4	1.2%
	2008	FREEZER	36	4	11.1%	7	19.4%
		GT 60 FT	82	11	13.4%		0.0%
		LE 60 FT	323	21	6.5%	12	3.7%
	2009	FREEZER	36	2	5.6%	6	16.7%
		GT 60 FT	83	6	7.2%		0.0%
		LE 60 FT	315	18	5.7%	9	2.9%
	2010	FREEZER	37	4	10.8%	7	18.9%
		GT 60 FT	81	4	4.9%	2	2.5%
		LE 60 FT	313	21	6.7%	11	3.5%
	2011	FREEZER	37	2	5.4%	7	18.9%
		GT 60 FT	84	9	10.7%	3	3.6%
		LE 60 FT	312	20	6.4%	8	2.6%
	2012	Freezer	37	2	5.4%	7	18.9%
		GT 60 ft.	84	4	4.8%		0.0%
		LE 60 ft.	312	16	5.1%	8	2.6%
	2013	Freezer	36	1	2.8%	6	16.7%
		GT 60 ft.	83	3	3.6%		0.0%
		LE 60 ft.	308	12	3.9%	13	4.2%
	2014	Freezer	35	3	8.6%	6	17.1%
		GT 60 ft.	82	4	4.9%	2	2.4%
		LE 60 ft.	300	31	10.3%	17	5.7%
	ALL	FREEZER	750	70	9.3%	181	24.1%
		GT 60 FT	1,819	178	9.8%	13	0.7%
		LE 60 FT	7,227	808	11.2%	98	1.4%
W. YAKUTAT	1995	FREEZER	33	4	12.1%	11	33.3%
		GT 60 FT	123	16	13.0%	1	0.8%
		LE 60 FT	268	49	18.3%	0	0.0%
	1996	FREEZER	32	6	18.8%	7	21.9%
		GT 60 FT	127	19	15.0%	0	0.0%
		LE 60 FT	244	51	20.9%	0	0.0%
	1997	FREEZER	32	7	21.9%	6	18.8%
		GT 60 FT	119	28	23.5%	0	0.0%
		LE 60 FT	211	54	25.6%	0	0.0%
	1998	FREEZER	32	4	12.5%	6	18.8%
		GT 60 FT	119	13	10.9%	0	0.0%
		LE 60 FT	203	15	7.4%	1	0.5%
	1999	FREEZER	30	8	26.7%	7	23.3%
		GT 60 FT	112	16	14.3%	0	0.0%
		LE 60 FT	181	31	17.1%	1	0.6%
	2000	FREEZER	29	3	10.3%	8	27.6%

AREA	YEAR	VESSEL CATEGORY	YEAR-END PERSONS	PERSON WITH TRANSFERS QS	TRANSFER RATE %	UNIQUE LESSORS	QS LESSORS RATE (%)
		GT 60 FT	115	14	12.2%	0	0.0%
		LE 60 FT	178	24	13.5%	0	0.0%
	2001	FREEZER	29		0.0%	-	0.0%
		GT 60 FT	113	7	6.2%	0	0.0%
		LE 60 FT	178	12	6.7%	9	5.1%
	2002	FREEZER	29	2	6.9%	8	27.6%
		GT 60 FT	112	10	8.9%	0	
		LE 60 FT	177	11	6.2%	0	
	2003	FREEZER	29	2	6.9%	6	20.7%
		GT 60 FT	110	14	12.7%	1	0.9%
		LE 60 FT	170	16	9.4%	0	
	2004	FREEZER	29	2	6.9%	4	13.8%
		GT 60 FT	109	2	1.8%	1	0.9%
		LE 60 FT	165	12	7.3%	1	0.6%
	2005	FREEZER	29	1	3.4%	4	13.8%
		GT 60 FT	108	13	12.0%	1	0.9%
		LE 60 FT	160	18	11.3%	0	0.0%
	2006	FREEZER	28	3	10.7%	6	21.4%
		GT 60 FT	107	1	0.9%	0	
		LE 60 FT	152	16	10.5%	0	
	2007	FREEZER	28	1	3.6%	5	17.9%
		GT 60 FT	113	8	7.1%	0	
		LE 60 FT	148	18	12.2%	0	
	2008	FREEZER	27	2	7.4%	5	18.5%
		GT 60 FT	110	9	8.2%	1	0.9%
		LE 60 FT	139	15	10.8%	2	1.4%
	2009	FREEZER	27	1	3.7%	5	18.5%
		GT 60 FT	107	6	5.6%	3	2.8%
		LE 60 FT	139	3	2.2%	2	1.4%
	2010	FREEZER	28	2	7.1%	4	14.3%
		GT 60 FT	105	4	3.8%	2	1.9%
		LE 60 FT	135	7	5.2%	2	1.5%
	2011	FREEZER	28	2	7.1%	3	10.7%
		GT 60 FT	104	10	9.6%	1	1.0%
		LE 60 FT	135	12	8.9%	2	1.5%
	2012	Freezer	29	4	13.8%	3	10.3%
		GT 60 ft.	104	1	1.0%	0	0.0%
		LE 60 ft.	135	4	3.0%	1	0.7%
	2013	Freezer	29	0	0.0%	3	10.3%
		GT 60 ft.	104	0	0.0%	1	1.0%
		LE 60 ft.	133	5	3.8%	2	1.5%
	2014	Freezer	29	0	0.0%	3	10.3%
		GT 60 ft.	101	7	6.9%	1	1.0%

AREA	YEAR	VESSEL CATEGORY	YEAR-END PERSONS	PERSON WITH TRANSFERS QS	TRANSFER RATE %	UNIQUE LESSORS	QS LESSORS RATE (%)
C. GULF	ALL	LE 60 ft.	131	6	4.6%	3	2.3%
		FREEZER	499	50	10.0%	95	19.0%
		GT 60 FT	1,913	190	9.9%	11	0.6%
		LE 60 FT	2,983	364	12.2%	20	0.7%
	1995	FREEZER	41	4	9.8%	14	34.1%
		GT 60 FT	179	25	14.0%	0	0.0%
		LE 60 FT	379	70	18.5%	0	0.0%
	1996	FREEZER	42	6	14.3%	10	23.8%
		GT 60 FT	176	28	15.9%	0	0.0%
		LE 60 FT	350	61	17.4%	2	0.6%
	1997	FREEZER	37	9	24.3%	7	18.9%
		GT 60 FT	172	41	23.8%	1	0.6%
		LE 60 FT	310	73	23.5%	0	0.0%
	1998	FREEZER	37	3	8.1%	8	21.6%
		GT 60 FT	171	12	7.0%	0	0.0%
		LE 60 FT	300	26	8.7%	1	0.3%
	1999	FREEZER	36	7	19.4%	8	22.2%
		GT 60 FT	163	16	9.8%	0	0.0%
		LE 60 FT	283	32	11.3%	1	0.4%
	2000	FREEZER	36	3	8.3%	11	30.6%
		GT 60 FT	168	23	13.7%		0.0%
		LE 60 FT	273	30	11.0%		0.0%
	2001	FREEZER	36	3	8.3%	10	27.8%
		GT 60 FT	172	11	6.4%		
		LE 60 FT	266	25	9.4%		
	2002	FREEZER	36	1	2.8%	10	27.8%
		GT 60 FT	168	10	6.0%		
		LE 60 FT	268	26	9.7%		
	2003	FREEZER	36	3	8.3%	9	25.0%
		GT 60 FT	164	26	15.9%	2	1.2%
		LE 60 FT	264	39	14.8%		
	2004	FREEZER	36	2	5.6%	8	22.2%
		GT 60 FT	161	13	8.1%	2	1.2%
		LE 60 FT	254	19	7.5%		
	2005	FREEZER	34	1	2.9%	7	20.6%
		GT 60 FT	162	14	8.6%	2	1.2%
		LE 60 FT	249	33	13.3%		
	2006	FREEZER	34	5	14.7%	8	23.5%
		GT 60 FT	165	10	6.1%	2	1.2%
		LE 60 FT	241	17	7.1%		
	2007	FREEZER	34	1	2.9%	6	17.6%
		GT 60 FT	165	13	7.9%	2	1.2%
		LE 60 FT	241	27	11.2%	2	0.8%

AREA	YEAR	VESSEL CATEGORY	YEAR-END PERSONS	PERSON WITH TRANSFERS QS	TRANSFER RATE %	UNIQUE LESSORS	QS LESSORS RATE (%)
C. GULF	2008	FREEZER	34	2	5.9%	6	17.6%
		GT 60 FT	160	20	12.5%	3	1.9%
		LE 60 FT	235	19	8.1%	3	1.3%
	2009	FREEZER	35	2	5.7%	6	17.1%
		GT 60 FT	157	9	5.7%	1	0.6%
		LE 60 FT	231	14	6.1%	2	0.9%
	2010	FREEZER	38	3	7.9%	7	18.4%
		GT 60 FT	157	9	5.7%	1	0.6%
		LE 60 FT	227	20	8.8%	2	0.9%
	2011	FREEZER	39	4	10.3%	5	12.8%
		GT 60 FT	155	6	3.9%	2	1.3%
		LE 60 FT	220	20	9.1%	3	1.4%
	2012	FREEZER	45	2	4.4%	6	13.3%
		GT 60 FT	158	8	5.1%	2	1.3%
		LE 60 FT	218	10	4.6%	2	0.9%
	2013	FREEZER	45		0.0%	7	15.6%
		GT 60 FT	159	9	5.7%	2	1.3%
		LE 60 FT	213	18	8.5%	6	2.8%
	2014	FREEZER	45	1	2.2%	6	13.3%
		GT 60 FT	156	12	7.7%	4	2.6%
		LE 60 FT	211	11	5.2%	5	2.4%
	ALL	FREEZER	756	62	8.2%	159	21.0%
		GT 60 FT	3,288	315	9.6%	26	0.8%
		LE 60 FT	5,233	590	11.3%	29	0.6%
W. GULF	1995	FREEZER	29	3	10.3%	9	31.0%
		GT 60 FT	98	8	8.2%	0	0.0%
		LE 60 FT	93	16	17.2%	0	0.0%
	1996	FREEZER	31	4	12.9%	4	12.9%
		GT 60 FT	96	8	8.3%	0	0.0%
		LE 60 FT	89	10	11.2%	0	0.0%
	1997	FREEZER	30	6	20.0%	7	23.3%
		GT 60 FT	93	23	24.7%	0	0.0%
		LE 60 FT	84	18	21.4%	0	0.0%
	1998	FREEZER	30	1	3.3%	7	23.3%
		GT 60 FT	91	14	15.4%	0	0.0%
		LE 60 FT	78	12	15.4%	0	0.0%
	1999	FREEZER	29	2	6.9%	5	17.2%
		GT 60 FT	89	7	7.9%	0	
		LE 60 FT	76	7	9.2%	0	
	2000	FREEZER	29		0.0%	9	31.0%
		GT 60 FT	91	12	13.2%	1	1.1%
		LE 60 FT	75	15	20.0%	1	1.3%

AREA	YEAR	VESSEL CATEGORY	YEAR-END PERSONS	PERSON WITH TRANSFERS QS	TRANSFER RATE %	UNIQUE LESSORS	QS LESSORS RATE (%)
W. GULF	2001	FREEZER	28	7	25.0%	7	25.0%
		GT 60 FT	91	14	15.4%	0	0.0%
		LE 60 FT	72	12	16.7%	0	0.0%
	2002	FREEZER	28	1	3.6%	7	25.0%
		GT 60 FT	92	12	13.0%	0	0.0%
		LE 60 FT	72	6	8.3%	1	1.4%
	2003	FREEZER	27		0.0%	4	14.8%
		GT 60 FT	90	12	13.3%	0	0.0%
		LE 60 FT	70	8	11.4%	0	
	2004	FREEZER	27	1	3.7%	3	11.1%
		GT 60 FT	90	15	16.7%	0	
		LE 60 FT	73	12	16.4%	0	
	2005	FREEZER	26	0	0.0%	2	7.7%
		GT 60 FT	89	10	11.2%	0	
		LE 60 FT	71	8	11.3%	0	
	2006	FREEZER	26	6	23.1%	4	15.4%
		GT 60 FT	88	7	8.0%	0	
		LE 60 FT	70	10	14.3%	0	
	2007	FREEZER	26	2	7.7%	2	7.7%
		GT 60 FT	88	12	13.6%	0	0.0%
		LE 60 FT	70	14	20.0%	0	0.0%
	2008	FREEZER	26	3	11.5%	1	3.8%
		GT 60 FT	89	8	9.0%	1	1.1%
		LE 60 FT	73	6	8.2%	1	1.4%
	2009	FREEZER	28	3	10.7%	1	3.6%
		GT 60 FT	87	10	11.5%	1	1.1%
		LE 60 FT	72	3	4.2%	1	1.4%
	2010	FREEZER	33	6	18.2%	1	3.0%
		GT 60 FT	85	9	10.6%	1	1.2%
		LE 60 FT	70	10	14.3%	2	2.9%
	2011	FREEZER	32	2	6.3%	1	3.1%
		GT 60 FT	82	10	12.2%		0.0%
		LE 60 FT	69	7	10.1%	3	4.3%
	2012	FREEZER	36	3	8.3%	1	2.8%
		GT 60 FT	81	3	3.7%	1	1.2%
		LE 60 FT	65	5	7.7%	2	3.1%
	2013	FREEZER	36	4	11.1%	2	5.6%
		GT 60 FT	81	3	3.7%	1	1.2%
		LE 60 FT	64	5	7.8%	1	1.6%
	2014	FREEZER	35	1	2.9%	1	2.9%
		GT 60 FT	79	4	5.1%	2	2.5%
		LE 60 FT	64	4	6.3%	2	3.1%
	ALL	FREEZER	592	55	9.3%	78	13.2%

AREA	YEAR	VESSEL CATEGORY	YEAR-END PERSONS	PERSON WITH TRANSFERS QS	TRANSFER RATE %	UNIQUE LESSORS	QS LESSORS RATE (%)
BERING SEA	1995	GT 60 FT	1,770	201	11.4%	8	0.5%
		LE 60 FT	1,470	188	12.8%	14	1.0%
		FREEZER	23	4	17.4%	8	34.8%
	1996	GT 60 FT	61	3	4.9%	0	0.0%
		LE 60 FT	55	6	10.9%	0	0.0%
		FREEZER	26	2	7.7%	4	15.4%
	1997	GT 60 FT	59	2	3.4%	0	0.0%
		LE 60 FT	52	4	7.7%	0	0.0%
		FREEZER	26	2	7.7%	6	23.1%
	1998	GT 60 FT	57	4	7.0%	0	0.0%
		LE 60 FT	51	4	7.8%	0	0.0%
		FREEZER	25	5	20.0%	9	36.0%
	1999	GT 60 FT	55	2	3.6%	0	0.0%
		LE 60 FT	51	0	0.0%	0	0.0%
		FREEZER	24	3	12.5%	6	25.0%
	2000	GT 60 FT	53	6	11.3%	0	0.0%
		LE 60 FT	46	2	4.3%	0	0.0%
		FREEZER	123				
	2001	GT 60 FT	24		0.0%	8	33.3%
		LE 60 FT	52	9	17.3%		0.0%
		FREEZER	46	10	21.7%		0.0%
	2002	GT 60 FT	23	5	21.7%	7	30.4%
		LE 60 FT	53	8	15.1%		0.0%
		FREEZER	46	4	8.7%		0.0%
	2003	GT 60 FT	25	6	24.0%	8	32.0%
		LE 60 FT	47	7	14.9%		
		FREEZER	45	2	4.4%		
	2004	GT 60 FT	25	6	24.0%	6	24.0%
		LE 60 FT	47	17	36.2%		0.0%
		FREEZER	45	3	6.7%		0.0%
	2005	GT 60 FT	25	1	4.0%	3	12.0%
		LE 60 FT	48	5	10.4%		0.0%
		FREEZER	46	2	4.3%		0.0%
	2006	GT 60 FT	25	9	36.0%	3	12.0%
		LE 60 FT	48	5	10.4%		0.0%
		FREEZER	45	0	0.0%		0.0%
	2007	GT 60 FT	25	4	16.0%	2	8.0%
		LE 60 FT	48	2	4.2%		0.0%
		FREEZER	44	7	15.9%		0.0%
	2008	GT 60 FT	25	0	0.0%	3	12.0%
		LE 60 FT	48	5	10.4%		0.0%
		FREEZER	44	7	15.9%		0.0%
	2008	GT 60 FT	25	2	8.0%	2	8.0%
		LE 60 FT	47	7	14.9%		0.0%

AREA	YEAR	VESSEL CATEGORY	YEAR-END PERSONS	PERSON WITH TRANSFERS QS	TRANSFER RATE %	UNIQUE LESSORS	QS LESSORS RATE (%)
ALEUTIANS	2009	LE 60 FT	43	5	11.6%		0.0%
		FREEZER	26	1	3.8%	3	11.5%
		GT 60 FT	44	8	18.2%	1	2.3%
		LE 60 FT	42	4	9.5%	2	4.8%
	2010	FREEZER	26	4	15.4%	2	7.7%
		GT 60 FT	43	11	25.6%	2	4.7%
		LE 60 FT	38	4	10.5%		0.0%
	2011	FREEZER	27	4	14.8%	0	0.0%
		GT 60 FT	43	12	27.9%	3	7.0%
		LE 60 FT	38	1	2.6%	1	2.6%
	2012	FREEZER	27	3	11.1%		0.0%
		GT 60 FT	44	2	4.5%	2	4.5%
		LE 60 FT	39	2	5.1%	2	5.1%
	2013	FREEZER	27	1	3.7%		0.0%
		GT 60 FT	43	4	9.3%	3	7.0%
		LE 60 FT	39	2	5.1%	2	5.1%
	2014	FREEZER	27		0.0%		0.0%
		GT 60 FT	42	2	4.8%	2	4.8%
		LE 60 FT	38	3	7.9%	2	5.3%
	All years	FREEZER	506	62	12.3%	80	15.8%
		GT 60 FT	982	121	12.3%	13	1.3%
		LE 60 FT	893	72	8.1%	9	1.0%
	1995	FREEZER	28	3	10.7%	10	35.7%
		GT 60 FT	58	6	10.3%	0	0.0%
		LE 60 FT	41	5	12.2%	0	0.0%
	1996	FREEZER	30	3	10.0%	5	16.7%
		GT 60 FT	60	3	5.0%	0	0.0%
		LE 60 FT	42	3	7.1%	0	0.0%
	1997	FREEZER	29	6	20.7%	6	20.7%
		GT 60 FT	59	5	8.5%	0	0.0%
		LE 60 FT	41	6	14.6%	0	0.0%
	1998	FREEZER	29	3	10.3%	9	31.0%
		GT 60 FT	56	9	16.1%	0	0.0%
		LE 60 FT	40	5	12.5%	0	0.0%
	1999	FREEZER	28	2	7.1%	6	21.4%
		GT 60 FT	51	9	17.6%	0	0.0%
		LE 60 FT	32	2	6.3%	0	0.0%
	2000	FREEZER	27	2	7.4%	7	25.9%
		GT 60 FT	50	9	18.0%	0	0.0%
		LE 60 FT	30	10	33.3%	0	0.0%
	2001	FREEZER	28	5	17.9%	8	28.6%
		GT 60 FT	50	7	14.0%	0	0.0%

AREA	YEAR	VESSEL CATEGORY	YEAR-END PERSONS	PERSON WITH TRANSFERS QS	TRANSFER RATE %	UNIQUE LESSORS	QS LESSORS RATE (%)
		LE 60 FT	29	5	17.2%	0	0.0%
	2002	FREEZER	27	4	14.8%	4	14.8%
		GT 60 FT	49	5	10.2%	0	0.0%
		LE 60 FT	29	5	17.2%	0	0.0%
	2003	FREEZER	28	1	3.6%	3	10.7%
		GT 60 FT	49	8	16.3%	0	0.0%
		LE 60 FT	31	2	6.5%	0	0.0%
	2004	FREEZER	28	2	7.1%	2	7.1%
		GT 60 FT	48	3	6.3%	0	0.0%
		LE 60 FT	31	3	9.7%	1	3.2%
	2005	FREEZER	29	2	6.9%	3	10.3%
		GT 60 FT	47	10	21.3%	0	0.0%
		LE 60 FT	31	2	6.5%	0	0.0%
	2006	FREEZER	28	3	10.7%	0	0.0%
		GT 60 FT	46	4	8.7%	0	0.0%
		LE 60 FT	30	3	10.0%	0	0.0%
	2007	FREEZER	28	3	10.7%	0	0.0%
		GT 60 FT	46	5	10.9%	0	0.0%
		LE 60 FT	30	5	16.7%	0	0.0%
	2008	FREEZER	28	2	7.1%	1	3.6%
		GT 60 FT	44	5	11.4%	0	0.0%
		LE 60 FT	30	3	10.0%	0	0.0%
	2009	FREEZER	28	4	14.3%	1	3.6%
		GT 60 FT	43	5	11.6%	0	0.0%
		LE 60 FT	32	2	6.3%	0	0.0%
	2010	FREEZER	26	3	11.5%	3	11.5%
		GT 60 FT	43	5	11.6%	0	0.0%
		LE 60 FT	38	2	5.3%	0	0.0%
	2011	FREEZER	27	2	7.4%	1	3.7%
		GT 60 FT	43	7	16.3%	0	0.0%
		LE 60 FT	38	4	10.5%	1	2.6%
	2012	FREEZER	28	6	21.4%	3	10.7%
		GT 60 FT	43	8	18.6%	1	0.0%
		LE 60 FT	29	1	3.4%	0	0.0%
	2013	FREEZER	28	1	3.6%	1	3.6%
		GT 60 FT	43	4	9.3%	0	0.0%
		LE 60 FT	29	4	13.8%	1	3.4%
	2014	FREEZER	27	2	7.4%	0	0.0%
		GT 60 FT	43	2	4.7%	0	0.0%
		LE 60 FT	29	3	10.3%	1	3.4%
ALEUTIANS	ALL	FREEZER	559	59	10.6%	73	13.1%
		GT 60 FT	971	119	12.3%	1	0.0%
		LE 60 FT	662	75	11.3%	4	0.6%

An “All Years” grouping sums data and provides a QS holder lease rate (lessor rate) by area and vessel category. Data on permanent halibut QS transfers by QS holders are provided for comparative purposes.

These data on QS holders with leases and transfers roughly parallel the data on QS leased and transferred. As can be seen the number of catcher vessel QS holders who leased some QS in the first nineteen years is quite small relative to the number of year-end QS holders. QS holder lease rates for catcher vessel QS were less than 1.5% in all areas.

#### 4.3 Lessors, Lessees, Leases, and Lease Rates

Table 4-3 provides additional details on lease transactions over the 1995 through 2014 time period. The table provides information on the number of lessors and lessees as well as the number of leases. Note that the numbers of lessors, lessees, and leases may vary for a particular type of QS because a person could lease QS to more than one person. Similarly, a person could lease QS from more than one person.

**TABLE 4-2B. SABLEFISH QS TRANSFER AND LEASE RATES, 1995-2014 BY AREA, YEAR, AND VESSEL CATEGORY**

AREA	YEAR	VESSEL CATEGORY	YEAR-END PERSONS	PERSON W/ TRANSFERS QS	TRANSFER RATE %	UNIQUE LESSORS	QS LESSORS RATE (%)
SOUTHEAST	1995	FREEZER	44	6	13.6%	12	27.3%
		GT 60 FT	117	18	15.4%	1	0.9%
		LE 60 FT	500	118	23.6%	0	0.0%
	1996	FREEZER	41	9	22.0%	9	22.0%
		GT 60 FT	110	20	18.2%	0	0.0%
		LE 60 FT	463	91	19.7%	3	0.6%
	1997	FREEZER	38	9	23.7%	8	21.1%
		GT 60 FT	104	14	13.5%	2	1.9%
		LE 60 FT	422	87	20.6%	3	0.7%
	1998	FREEZER	40	3	7.5%	11	27.5%
		GT 60 FT	102	7	6.9%	1	1.0%
		LE 60 FT	397	42	10.6%	1	0.3%
	1999	FREEZER	41	4	9.8%	12	29.3%
		GT 60 FT	110	11	10.0%	1	0.9%
		LE 60 FT	463	42	9.1%	1	0.2%
	2000	FREEZER	614	4	9.8%	13	31.7%
		GT 60 FT	41	10	11.0%	1	1.1%
		LE 60 FT	91	36	9.7%	1	0.3%
	2001	FREEZER	370	2	5.1%	14	35.9%
		GT 60 FT	39	2	2.2%		
		LE 60 FT	91	31	8.6%	1	0.3%
	2002	FREEZER	362	4	10.3%	12	30.8%

AREA	YEAR	VESSEL CATEGORY	YEAR-END PERSONS	PERSON W/ TRANSFERS QS	TRANSFER RATE %	UNIQUE LESSORS	QS LESSORS RATE (%)
		GT 60 FT	90	12	13.3%		
		LE 60 FT	359	32	8.9%	1	0.3%
	2003	FREEZER	36	4	11.1%	10	27.8%
		GT 60 FT	88	13	14.8%	0	0.0%
		LE 60 FT	353	51	14.4%	1	0.3%
	2004	FREEZER	35	1	2.9%	10	28.6%
		GT 60 FT	86	5	5.8%	0	0.0%
		LE 60 FT	352	28	8.0%	0	0.0%
	2005	FREEZER	34	2	5.9%	8	23.5%
		GT 60 FT	84	9	10.7%		
		LE 60 FT	342	42	12.3%	2	0.6%
	2006	FREEZER	34	2	5.9%	8	23.5%
		GT 60 FT	83	4	4.8%		0.0%
		LE 60 FT	333	34	10.2%	2	0.6%
	2007	FREEZER	34	2	5.9%	8	23.5%
		GT 60 FT	84	12	14.3%		0.0%
		LE 60 FT	328	35	10.7%	4	1.2%
	2008	FREEZER	36	4	11.1%	7	19.4%
		GT 60 FT	82	11	13.4%		0.0%
		LE 60 FT	323	21	6.5%	12	3.7%
	2009	FREEZER	36	2	5.6%	6	16.7%
		GT 60 FT	83	6	7.2%		0.0%
		LE 60 FT	315	18	5.7%	9	2.9%
	2010	FREEZER	37	4	10.8%	7	18.9%
		GT 60 FT	81	4	4.9%	2	2.5%
		LE 60 FT	313	21	6.7%	11	3.5%
	2011	FREEZER	37	2	5.4%	7	18.9%
		GT 60 FT	84	9	10.7%	3	3.6%
		LE 60 FT	312	20	6.4%	8	2.6%
	2012	Freezer	37	2	5.4%	7	18.9%
		GT 60 ft.	84	4	4.8%		0.0%
		LE 60 ft.	312	16	5.1%	8	2.6%
	2013	Freezer	36	1	2.8%	6	16.7%
		GT 60 ft.	83	3	3.6%		0.0%
		LE 60 ft.	308	12	3.9%	13	4.2%
	2014	Freezer	35	3	8.6%	6	17.1%
		GT 60 ft.	82	4	4.9%	2	2.4%
		LE 60 ft.	300	31	10.3%	17	5.7%
SOUTHEAST	ALL	FREEZER	750	70	9.3%	181	24.1%
		GT 60 FT	1,819	178	9.8%	13	0.7%
		LE 60 FT	7,227	808	11.2%	98	1.4%
W. YAKUTAT	1995	FREEZER	33	4	12.1%	11	33.3%
		GT 60 FT	123	16	13.0%	1	0.8%
		LE 60 FT	268	49	18.3%	0	0.0%

AREA	YEAR	VESSEL CATEGORY	YEAR-END PERSONS	PERSON W/ TRANSFERS QS	TRANSFER RATE %	UNIQUE LESSORS	QS LESSORS RATE (%)
	1996	FREEZER	32	6	18.8%	7	21.9%
		GT 60 FT	127	19	15.0%	0	0.0%
		LE 60 FT	244	51	20.9%	0	0.0%
	1997	FREEZER	32	7	21.9%	6	18.8%
		GT 60 FT	119	28	23.5%	0	0.0%
		LE 60 FT	211	54	25.6%	0	0.0%
	1998	FREEZER	32	4	12.5%	6	18.8%
		GT 60 FT	119	13	10.9%	0	0.0%
		LE 60 FT	203	15	7.4%	1	0.5%
	1999	FREEZER	30	8	26.7%	7	23.3%
		GT 60 FT	112	16	14.3%	0	0.0%
		LE 60 FT	181	31	17.1%	1	0.6%
	2000	FREEZER	29	3	10.3%	8	27.6%
		GT 60 FT	115	14	12.2%	0	0.0%
		LE 60 FT	178	24	13.5%	0	0.0%
	2001	FREEZER	29		0.0%	-	0.0%
		GT 60 FT	113	7	6.2%	0	0.0%
		LE 60 FT	178	12	6.7%	9	5.1%
	2002	FREEZER	29	2	6.9%	8	27.6%
		GT 60 FT	112	10	8.9%	0	
		LE 60 FT	177	11	6.2%	0	
	2003	FREEZER	29	2	6.9%	6	20.7%
		GT 60 FT	110	14	12.7%	1	0.9%
		LE 60 FT	170	16	9.4%	0	
	2004	FREEZER	29	2	6.9%	4	13.8%
		GT 60 FT	109	2	1.8%	1	0.9%
		LE 60 FT	165	12	7.3%	1	0.6%
	2005	FREEZER	29	1	3.4%	4	13.8%
		GT 60 FT	108	13	12.0%	1	0.9%
		LE 60 FT	160	18	11.3%	0	0.0%
	2006	FREEZER	28	3	10.7%	6	21.4%
		GT 60 FT	107	1	0.9%	0	
		LE 60 FT	152	16	10.5%	0	
	2007	FREEZER	28	1	3.6%	5	17.9%
		GT 60 FT	113	8	7.1%	0	
		LE 60 FT	148	18	12.2%	0	
	2008	FREEZER	27	2	7.4%	5	18.5%
		GT 60 FT	110	9	8.2%	1	0.9%
		LE 60 FT	139	15	10.8%	2	1.4%
	2009	FREEZER	27	1	3.7%	5	18.5%
		GT 60 FT	107	6	5.6%	3	2.8%
		LE 60 FT	139	3	2.2%	2	1.4%
	2010	FREEZER	28	2	7.1%	4	14.3%

AREA	YEAR	VESSEL CATEGORY	YEAR-END PERSONS	PERSON W/ TRANSFERS QS	TRANSFER RATE %	UNIQUE LESSORS	QS LESSORS RATE (%)
C. GULF		GT 60 FT	105	4	3.8%	2	1.9%
		LE 60 FT	135	7	5.2%	2	1.5%
	2011	FREEZER	28	2	7.1%	3	10.7%
		GT 60 FT	104	10	9.6%	1	1.0%
		LE 60 FT	135	12	8.9%	2	1.5%
	2012	Freezer	29	4	13.8%	3	10.3%
		GT 60 ft.	104	1	1.0%	0	0.0%
		LE 60 ft.	135	4	3.0%	1	0.7%
	2013	Freezer	29	0	0.0%	3	10.3%
		GT 60 ft.	104	0	0.0%	1	1.0%
		LE 60 ft.	133	5	3.8%	2	1.5%
	2014	Freezer	29	0	0.0%	3	10.3%
		GT 60 ft.	101	7	6.9%	1	1.0%
		LE 60 ft.	131	6	4.6%	3	2.3%
	ALL	FREEZER	499	50	10.0%	95	19.0%
		GT 60 FT	1,913	190	9.9%	11	0.6%
		LE 60 FT	2,983	364	12.2%	20	0.7%
	1995	FREEZER	41	4	9.8%	14	34.1%
		GT 60 FT	179	25	14.0%	0	0.0%
		LE 60 FT	379	70	18.5%	0	0.0%
	1996	FREEZER	42	6	14.3%	10	23.8%
		GT 60 FT	176	28	15.9%	0	0.0%
		LE 60 FT	350	61	17.4%	2	0.6%
	1997	FREEZER	37	9	24.3%	7	18.9%
		GT 60 FT	172	41	23.8%	1	0.6%
		LE 60 FT	310	73	23.5%	0	0.0%
	1998	FREEZER	37	3	8.1%	8	21.6%
		GT 60 FT	171	12	7.0%	0	0.0%
		LE 60 FT	300	26	8.7%	1	0.3%
	1999	FREEZER	36	7	19.4%	8	22.2%
		GT 60 FT	163	16	9.8%	0	0.0%
		LE 60 FT	283	32	11.3%	1	0.4%
	2000	FREEZER	36	3	8.3%	11	30.6%
		GT 60 FT	168	23	13.7%		0.0%
		LE 60 FT	273	30	11.0%		0.0%
	2001	FREEZER	36	3	8.3%	10	27.8%
		GT 60 FT	172	11	6.4%		
		LE 60 FT	266	25	9.4%		
	2002	FREEZER	36	1	2.8%	10	27.8%
		GT 60 FT	168	10	6.0%		
		LE 60 FT	268	26	9.7%		
	2003	FREEZER	36	3	8.3%	9	25.0%
		GT 60 FT	164	26	15.9%	2	1.2%
		LE 60 FT	264	39	14.8%		

AREA	YEAR	VESSEL CATEGORY	YEAR-END PERSONS	PERSON W/ TRANSFERS QS	TRANSFER RATE %	UNIQUE LESSORS	QS LESSORS RATE (%)
C. GULF	2004	FREEZER	36	2	5.6%	8	22.2%
		GT 60 FT	161	13	8.1%	2	1.2%
		LE 60 FT	254	19	7.5%		
	2005	FREEZER	34	1	2.9%	7	20.6%
		GT 60 FT	162	14	8.6%	2	1.2%
		LE 60 FT	249	33	13.3%		
	2006	FREEZER	34	5	14.7%	8	23.5%
		GT 60 FT	165	10	6.1%	2	1.2%
		LE 60 FT	241	17	7.1%		
	2007	FREEZER	34	1	2.9%	6	17.6%
		GT 60 FT	165	13	7.9%	2	1.2%
		LE 60 FT	241	27	11.2%	2	0.8%
	2008	FREEZER	34	2	5.9%	6	17.6%
		GT 60 FT	160	20	12.5%	3	1.9%
		LE 60 FT	235	19	8.1%	3	1.3%
	2009	FREEZER	35	2	5.7%	6	17.1%
		GT 60 FT	157	9	5.7%	1	0.6%
		LE 60 FT	231	14	6.1%	2	0.9%
	2010	FREEZER	38	3	7.9%	7	18.4%
		GT 60 FT	157	9	5.7%	1	0.6%
		LE 60 FT	227	20	8.8%	2	0.9%
	2011	FREEZER	39	4	10.3%	5	12.8%
		GT 60 FT	155	6	3.9%	2	1.3%
		LE 60 FT	220	20	9.1%	3	1.4%
	2012	FREEZER	45	2	4.4%	6	13.3%
		GT 60 FT	158	8	5.1%	2	1.3%
		LE 60 FT	218	10	4.6%	2	0.9%
	2013	FREEZER	45		0.0%	7	15.6%
		GT 60 FT	159	9	5.7%	2	1.3%
		LE 60 FT	213	18	8.5%	6	2.8%
	2014	FREEZER	45	1	2.2%	6	13.3%
		GT 60 FT	156	12	7.7%	4	2.6%
		LE 60 FT	211	11	5.2%	5	2.4%
	ALL	FREEZER	756	62	8.2%	159	21.0%
		GT 60 FT	3,288	315	9.6%	26	0.8%
		LE 60 FT	5,233	590	11.3%	29	0.6%
W. GULF	1995	FREEZER	29	3	10.3%	9	31.0%
		GT 60 FT	98	8	8.2%	0	0.0%
		LE 60 FT	93	16	17.2%	0	0.0%
	1996	FREEZER	31	4	12.9%	4	12.9%
		GT 60 FT	96	8	8.3%	0	0.0%
		LE 60 FT	89	10	11.2%	0	0.0%
	1997	FREEZER	30	6	20.0%	7	23.3%

AREA	YEAR	VESSEL CATEGORY	YEAR-END PERSONS	PERSON W/ TRANSFERS QS	TRANSFER RATE %	UNIQUE LESSORS	QS LESSORS RATE (%)
W. GULF	1998	GT 60 FT	93	23	24.7%	0	0.0%
		LE 60 FT	84	18	21.4%	0	0.0%
		FREEZER	30	1	3.3%	7	23.3%
		GT 60 FT	91	14	15.4%	0	0.0%
		LE 60 FT	78	12	15.4%	0	0.0%
		FREEZER	29	2	6.9%	5	17.2%
	1999	GT 60 FT	89	7	7.9%	0	
		LE 60 FT	76	7	9.2%	0	
		FREEZER	29		0.0%	9	31.0%
	2000	GT 60 FT	91	12	13.2%	1	1.1%
		LE 60 FT	75	15	20.0%	1	1.3%
		FREEZER	28	7	25.0%	7	25.0%
	2001	GT 60 FT	91	14	15.4%	0	0.0%
		LE 60 FT	72	12	16.7%	0	0.0%
		FREEZER	28	1	3.6%	7	25.0%
	2002	GT 60 FT	92	12	13.0%	0	0.0%
		LE 60 FT	72	6	8.3%	1	1.4%
		FREEZER	27		0.0%	4	14.8%
	2003	GT 60 FT	90	12	13.3%	0	0.0%
		LE 60 FT	70	8	11.4%	0	
		FREEZER	27	1	3.7%	3	11.1%
	2004	GT 60 FT	90	15	16.7%	0	
		LE 60 FT	73	12	16.4%	0	
		FREEZER	26	0	0.0%	2	7.7%
	2005	GT 60 FT	89	10	11.2%	0	
		LE 60 FT	71	8	11.3%	0	
		FREEZER	26	6	23.1%	4	15.4%
	2006	GT 60 FT	88	7	8.0%	0	
		LE 60 FT	70	10	14.3%	0	
		FREEZER	26	2	7.7%	2	7.7%
	2007	GT 60 FT	88	12	13.6%	0	0.0%
		LE 60 FT	70	14	20.0%	0	0.0%
		FREEZER	26	3	11.5%	1	3.8%
	2008	GT 60 FT	89	8	9.0%	1	1.1%
		LE 60 FT	73	6	8.2%	1	1.4%
		FREEZER	28	3	10.7%	1	3.6%
	2009	GT 60 FT	87	10	11.5%	1	1.1%
		LE 60 FT	72	3	4.2%	1	1.4%
		FREEZER	33	6	18.2%	1	3.0%
	2010	GT 60 FT	85	9	10.6%	1	1.2%
		LE 60 FT	70	10	14.3%	2	2.9%
		FREEZER	32	2	6.3%	1	3.1%
	2011	GT 60 FT	82	10	12.2%		0.0%
		LE 60 FT	69	7	10.1%	3	4.3%

AREA	YEAR	VESSEL CATEGORY	YEAR-END PERSONS	PERSON W/ TRANSFERS QS	TRANSFER RATE %	UNIQUE LESSORS	QS LESSORS RATE (%)
BERING SEA	2012	FREEZER	36	3	8.3%	1	2.8%
		GT 60 FT	81	3	3.7%	1	1.2%
		LE 60 FT	65	5	7.7%	2	3.1%
	2013	FREEZER	36	4	11.1%	2	5.6%
		GT 60 FT	81	3	3.7%	1	1.2%
		LE 60 FT	64	5	7.8%	1	1.6%
	2014	FREEZER	35	1	2.9%	1	2.9%
		GT 60 FT	79	4	5.1%	2	2.5%
		LE 60 FT	64	4	6.3%	2	3.1%
	ALL	FREEZER	592	55	9.3%	78	13.2%
		GT 60 FT	1,770	201	11.4%	8	0.5%
		LE 60 FT	1,470	188	12.8%	14	1.0%
	1995	FREEZER	23	4	17.4%	8	34.8%
		GT 60 FT	61	3	4.9%	0	0.0%
		LE 60 FT	55	6	10.9%	0	0.0%
	1996	FREEZER	26	2	7.7%	4	15.4%
		GT 60 FT	59	2	3.4%	0	0.0%
		LE 60 FT	52	4	7.7%	0	0.0%
	1997	FREEZER	26	2	7.7%	6	23.1%
		GT 60 FT	57	4	7.0%	0	0.0%
		LE 60 FT	51	4	7.8%	0	0.0%
	1998	FREEZER	25	5	20.0%	9	36.0%
		GT 60 FT	55	2	3.6%	0	0.0%
		LE 60 FT	51	0	0.0%	0	0.0%
	1999	FREEZER	24	3	12.5%	6	25.0%
		GT 60 FT	53	6	11.3%	0	0.0%
		LE 60 FT	46	2	4.3%	0	0.0%
	2000	FREEZER	123				
		GT 60 FT	24		0.0%	8	33.3%
		LE 60 FT	52	9	17.3%		0.0%
	2001	FREEZER	46	10	21.7%		0.0%
		GT 60 FT	23	5	21.7%	7	30.4%
		LE 60 FT	53	8	15.1%		0.0%
	2002	FREEZER	46	4	8.7%		0.0%
		GT 60 FT	25	6	24.0%	8	32.0%
		LE 60 FT	47	7	14.9%		
	2003	FREEZER	45	2	4.4%		
		GT 60 FT	25	6	24.0%	6	24.0%
		LE 60 FT	47	17	36.2%		0.0%
	2004	FREEZER	45	3	6.7%		0.0%
		GT 60 FT	25	1	4.0%	3	12.0%
		LE 60 FT	48	5	10.4%		0.0%
	2005	FREEZER	46	2	4.3%		0.0%
		GT 60 FT	25	9	36.0%	3	12.0%
		LE 60 FT					

AREA	YEAR	VESSEL CATEGORY	YEAR-END PERSONS	PERSON W/ TRANSFERS QS	TRANSFER RATE %	UNIQUE LESSORS	QS LESSORS RATE (%)
ALEUTIANS		GT 60 FT	48	5	10.4%		0.0%
		LE 60 FT	45	0	0.0%		0.0%
	2006	FREEZER	25	4	16.0%	2	8.0%
		GT 60 FT	48	2	4.2%		0.0%
		LE 60 FT	44	7	15.9%		0.0%
	2007	FREEZER	25	0	0.0%	3	12.0%
		GT 60 FT	48	5	10.4%		0.0%
		LE 60 FT	44	7	15.9%		0.0%
	2008	FREEZER	25	2	8.0%	2	8.0%
		GT 60 FT	47	7	14.9%		0.0%
		LE 60 FT	43	5	11.6%		0.0%
	2009	FREEZER	26	1	3.8%	3	11.5%
		GT 60 FT	44	8	18.2%	1	2.3%
		LE 60 FT	42	4	9.5%	2	4.8%
	2010	FREEZER	26	4	15.4%	2	7.7%
		GT 60 FT	43	11	25.6%	2	4.7%
		LE 60 FT	38	4	10.5%		0.0%
	2011	FREEZER	27	4	14.8%	0	0.0%
		GT 60 FT	43	12	27.9%	3	7.0%
		LE 60 FT	38	1	2.6%	1	2.6%
	2012	FREEZER	27	3	11.1%		0.0%
		GT 60 FT	44	2	4.5%	2	4.5%
		LE 60 FT	39	2	5.1%	2	5.1%
	2013	FREEZER	27	1	3.7%		0.0%
		GT 60 FT	43	4	9.3%	3	7.0%
		LE 60 FT	39	2	5.1%	2	5.1%
	2014	FREEZER	27		0.0%		0.0%
		GT 60 FT	42	2	4.8%	2	4.8%
		LE 60 FT	38	3	7.9%	2	5.3%
	All years	FREEZER	506	62	12.3%	80	15.8%
		GT 60 FT	982	121	12.3%	13	1.3%
		LE 60 FT	893	72	8.1%	9	1.0%
	1995	FREEZER	28	3	10.7%	10	35.7%
		GT 60 FT	58	6	10.3%	0	0.0%
		LE 60 FT	41	5	12.2%	0	0.0%
	1996	FREEZER	30	3	10.0%	5	16.7%
		GT 60 FT	60	3	5.0%	0	0.0%
		LE 60 FT	42	3	7.1%	0	0.0%
	1997	FREEZER	29	6	20.7%	6	20.7%
		GT 60 FT	59	5	8.5%	0	0.0%
		LE 60 FT	41	6	14.6%	0	0.0%
	1998	FREEZER	29	3	10.3%	9	31.0%
		GT 60 FT	56	9	16.1%	0	0.0%
		LE 60 FT	40	5	12.5%	0	0.0%

AREA	YEAR	VESSEL CATEGORY	YEAR-END PERSONS	PERSON W/ TRANSFERS QS	TRANSFER RATE %	UNIQUE LESSORS	QS LESSORS RATE (%)
	1999	FREEZER	28	2	7.1%	6	21.4%
		GT 60 FT	51	9	17.6%	0	0.0%
		LE 60 FT	32	2	6.3%	0	0.0%
	2000	FREEZER	27	2	7.4%	7	25.9%
		GT 60 FT	50	9	18.0%	0	0.0%
		LE 60 FT	30	10	33.3%	0	0.0%
	2001	FREEZER	28	5	17.9%	8	28.6%
		GT 60 FT	50	7	14.0%	0	0.0%
		LE 60 FT	29	5	17.2%	0	0.0%
	2002	FREEZER	27	4	14.8%	4	14.8%
		GT 60 FT	49	5	10.2%	0	0.0%
		LE 60 FT	29	5	17.2%	0	0.0%
	2003	FREEZER	28	1	3.6%	3	10.7%
		GT 60 FT	49	8	16.3%	0	0.0%
		LE 60 FT	31	2	6.5%	0	0.0%
	2004	FREEZER	28	2	7.1%	2	7.1%
		GT 60 FT	48	3	6.3%	0	0.0%
		LE 60 FT	31	3	9.7%	1	3.2%
	2005	FREEZER	29	2	6.9%	3	10.3%
		GT 60 FT	47	10	21.3%	0	0.0%
		LE 60 FT	31	2	6.5%	0	0.0%
	2006	FREEZER	28	3	10.7%	0	0.0%
		GT 60 FT	46	4	8.7%	0	0.0%
		LE 60 FT	30	3	10.0%	0	0.0%
	2007	FREEZER	28	3	10.7%	0	0.0%
		GT 60 FT	46	5	10.9%	0	0.0%
		LE 60 FT	30	5	16.7%	0	0.0%
	2008	FREEZER	28	2	7.1%	1	3.6%
		GT 60 FT	44	5	11.4%	0	0.0%
		LE 60 FT	30	3	10.0%	0	0.0%
	2009	FREEZER	28	4	14.3%	1	3.6%
		GT 60 FT	43	5	11.6%	0	0.0%
		LE 60 FT	32	2	6.3%	0	0.0%
	2010	FREEZER	26	3	11.5%	3	11.5%
		GT 60 FT	43	5	11.6%	0	0.0%
		LE 60 FT	38	2	5.3%	0	0.0%
	2011	FREEZER	27	2	7.4%	1	3.7%
		GT 60 FT	43	7	16.3%	0	0.0%
		LE 60 FT	38	4	10.5%	1	2.6%
	2012	FREEZER	28	6	21.4%	3	10.7%
		GT 60 FT	43	8	18.6%	1	0.0%
		LE 60 FT	29	1	3.4%	0	0.0%
	2013	FREEZER	28	1	3.6%	1	3.6%

AREA	YEAR	VESSEL CATEGORY	YEAR-END PERSONS	PERSON W/ TRANSFERS QS	TRANSFER RATE %	UNIQUE LESSORS	QS LESSORS RATE (%)
		GT 60 FT	43	4	9.3%	0	0.0%
		LE 60 FT	29	4	13.8%	1	3.4%
	2014	FREEZER	27	2	7.4%	0	0.0%
		GT 60 FT	43	2	4.7%	0	0.0%
		LE 60 FT	29	3	10.3%	1	3.4%
ALEUTIANS	ALL	FREEZER	559	59	10.6%	73	13.1%
		GT 60 FT	971	119	12.3%	1	0.0%
		LE 60 FT	662	75	11.3%	4	0.6%

The table also provides data on the average amount of sablefish QS transferred per lease, the total amount of QS leased, and the QS lease rate as a percentage of the year-end QS. These data are provided by area, year, and vessel category.

An “All Years” summary row is provided for each area and vessel category. The numbers in these rows are the sum of the numbers over the entire period or averages and rates based upon numbers summed over all nineteen years.

The table again shows that most of the formal lease transactions over the 1995–2014 period occurred with freezer vessel QS. Although there are no restrictions on leasing of freezer vessel QS there were relatively few leases even in that category. Overall freezer vessel QS lease rates ranged from 7.8% in the Central Gulf area to 27.4% in the Southeast area over the 1995 through 2014 time period.

Very little catcher vessel QS leases occurred in the Bering Sea areas. Lease rates for catcher vessel QS were all less than 1% in all other sablefish areas.

#### 4.4 Sablefish QS Lease Prices

This section provides information on sablefish QS lease prices. Table 4-4 provides summary data on the total number of formal lease transactions over the 1995 through 2014 time period and the number and percentage of these transactions that had lease prices available from the transfer forms. The table indicates that there were 1,007 sablefish QS lease transactions over the nineteen year period, but lease prices were available for only 353 (35.1%) of the transactions.<sup>36</sup>

<sup>36</sup> NMFS-RAM personnel have suggested that most lease transactions have monetary considerations. However, in many case the lease contract is a “share” contract of percentage contract. In such cases, persons coding the transfer document have no way to calculate the exact amount of the lease or the rental price per pound of IFQ. Thus in the computer file the fields are left blank or “unpriced” even though the lessor will receive compensation.

**Table 4-4. Priced and Unpriced Sablefish QS Leases By Area and Vessel Category, 1995-2014**

Area	Year	Vessel Category	Number of Leases	Number of Priced Leases	Pct. Priced Leases	All Leased IFQ	IFQ In Priced Leases	Pct. In Priced Leases
Southeast	1995	Freezer	15	12	80	237,140	203,375	85.8
		GT 60 ft	1	0	0	1,647	0	0
	1996	Freezer	10	4	40	179,295	34,339	19.2
		LE 60 ft	3	1	33.3	8,338	985	11.8
	1997	Freezer	9	6	66.7	139,443	79,318	56.9
		GT 60 ft	2	0	0	13,679	0	0
		LE 60 ft	3	0	0	40,913	0	0
	1998	Freezer	12	6	50	192,820	82,583	42.8
		GT 60 ft	1	0	0	10,931	0	0
		LE 60 ft	1	1	100	30,660	30,660	100
	1999	NA	NA	NA	NA	NA	NA	NA
	2000	Freezer	22	5	22.7%	291,013	54,740	18.8%
		GT 60 ft	1			10,549		
		LE 60 ft	3	1	33.3%	15,985	593	3.7%
	2001	Freezer	20	4	20.0%	291,969	47,187	16.2%
		LE 60 ft	1			14,556		
	2002	Freezer	22	6	27.3%	270,608	52,236	19.3%
		LE 60 ft	1			13,906		
	2003	Freezer	17	2	11.8%	434,625	50,333	11.6%
		LE 60 ft	1			14,841		
	2004	Freezer	14	1	7.1%	253,422	13,010	5.1%
	2005	Freezer	11	2	18.2%	181,137	33,054	18.2%
		LE 60 ft	3	1	33.3%	121,788	60,747	49.9%
	2006	Freezer	13	4	30.8%	212,309	66,159	31.2%
		LE 60 ft	2			68,166		
	2007	Freezer	12	3	25.0%	141,212	32,472	23.0%
		LE 60 ft	4	0	0.0%	100,101		
	2008	Freezer	10	3	30.0%	111,343	22,121	19.9%
		LE 60 ft	16	1	6.3%	288,915	15,860	5.5%
	2009	Freezer	8	2	25.0%	68,521	13,009	19.0%
		LE 60 ft	11	1	9.1%	172,296	19,196	11.1%
	2010	Freezer	7	1	14.3%	70,016	12,691	18.1%
		GT 60 ft	2	0	0.0%	23,906	0	0.0%
		LE 60 ft	12	0	0.0%	200,261	0	0.0%
	2011	Freezer	7	0	0.0%	80,528	0	0.0%
		GT 60 ft	3	0	0.0%	73,989	0	0.0%
		LE 60 ft	9	2	22.2%	123,820	31,155	25.2%
	2012	Freezer	7	1	14.3%	85,783	10,950	12.8%
		GT 60 ft			0.0%			

Area	Year	Vessel Category	Number of Leases	Number of Priced Leases	Pct. Priced Leases	All Leased IFQ	IFQ In Priced Leases	Pct. In Priced Leases
	2013	LE 60 ft	8	1	12.5%	72,825	19,449	26.7%
		Freezer	6	1	16.7%	83,623	11,131	13.3%
		GT 60 ft	13	1	0.0%	170,418	41,446	24.3%
	2014	LE 60 ft	6		7.7%			
		Freezer	6		0.0%	69,251		0.0%
		GT 60 ft	2	1	0.0%	54,550	43,295	79.4%
W. Yakutat		LE 60 ft	17	2	11.8%	203,505	25,597	12.6%
		Freezer	13	7	53.8	127,988	97,172	75.9
		GT 60 ft	1	0	0	9,957	0	0
	1996	Freezer	8	3	37.5	73,969	52,157	70.5
	1997	Freezer	6	4	66.7	25,134	19,432	77.3
	1998	Freezer	6	2	33.3	22,703	5,401	23.8
		LE 60 ft	2	0	0	1,694	0	0
	1999	NA	NA	NA	NA	NA	NA	NA
	2000	Freezer	15	5	33.3%	47,211	13,434	28.5%
	2001	Freezer	13	3	23.1%	47,825	3,943	8.2%
	2002	Freezer	14	5	35.7%	89,339	38,017	42.6%
	2003	Freezer	7	1	14.3%	29,288	465	1.6%
		GT 60 ft	1			19,564		
	2004	Freezer	5	1	20.0%	24,390	4,476	18.4%
		GT 60 ft	1			21,572		0.0%
		LE 60 ft	1			6,513		0.0%
	2005	Freezer	5	1	20.0%	24,299	4,554	18.7%
		GT 60 ft	1		0.0%	21,950	0	0.0%
	2006	Freezer	6	3	50.0%	32,687	13,904	42.5%
	2007	Freezer	7	2	28.6%	32,228	13,494	41.9%
	2008	Freezer	6	1	16.7%	26,136	8,808	33.7%
		GT 60 ft	2	1	50.0%	33,532	16,766	50.0%
		LE 60 ft	2		0.0%	7,468		0.0%
	2009	Freezer	7	2	28.6%	24,000	10,023	41.8%
		GT 60 ft	4	1	25.0%	34,633	14,088	40.7%
		LE 60 ft	2		0.0%	6,653		0.0%
	2010	Freezer	4	2	50.0%	11,883	9,196	77.4%
		GT 60 ft	2	1	50.0%	3,421	742	21.7%
		LE 60 ft	2	0	0.0%	6,692	0	0.0%
	2011	Freezer	3	0	0.0%	6,899	0	0.0%
		GT 60 ft	1	0	0.0%	3,313	0	0.0%
		LE 60 ft	2	0	0.0%	8,277	0	0.0%
	2012	Freezer	3	1	33.3%	7817	3959	50.6%
		GT 60 ft			0.0%		0	0.0%
		LE 60 ft	1		0.0%	6265	0	0.0%
	2013	Freezer	3	1	33.3%	7480	3644	48.7%
		GT 60 ft	1	0	0.0%	14467	0	0.0%
		LE 60 ft	2	0	0.0%	5953	0	0.0%

Area	Year	Vessel Category	Number of Leases	Number of Priced Leases	Pct. Priced Leases	All Leased IFQ	IFQ In Priced Leases	Pct. In Priced Leases
	2014	Freezer	3	0	0.0%	5914	0	0.0%
		GT 60 ft	1	0	0.0%	13527	0	0.0%
		LE 60 ft	3	1	33.3%	13708	8677	63.3%
C. Gulf	1995	Freezer	16	11	68.8	397,159	353,943	89.1%
	1996	Freezer	10	4	40	163,744	68,732	42
		LE 60 ft	3	1	33.3	4,973	1,987	40
	1997	Freezer	7	4	57.1	95,394	42,756	44.8
		GT 60 ft	1	0	0	7,355	0	0
	1998	Freezer	8	5	62.5	181,898	134,966	74.2
		LE 60 ft	1	0	0	4,225	0	0
	1999	NA	NA	NA	NA	NA	NA	NA
	2000	Freezer	14	3	21.4%	268,348	62,084	23.1%
	2001	Freezer	15	4	26.7%	311,964	107,432	34.4%
	2002	Freezer	14	4	28.6%	274,839	85,842	31.2%
	2003	Freezer	12	2		172,333		
		GT 60 ft	2			113,778		
	2004	Freezer	9	1	11.1%	95,562	10,070	10.5%
		GT 60 ft	2			128,740		
	2005	Freezer	8	1	12.5%	91,706	10,000	10.9%
		GT 60 ft	2		0.0%	126,748		
	2006	Freezer	12	4	33.3%	104,215	24,775	23.8%
		GT 60 ft	3	1	33.3%	30,496	13,057	42.8%
	2007	Freezer	10	3	30.0%	102,582	25,010	24.4%
			2			98,107	0	0.0%
	2008	Freezer	8	2	25.0%	75,005	13,903	18.5%
		GT 60 ft	3	2	66.7%	26,332	11,274	42.8%
			2	0	0.0%	11,776	0	0.0%
	2009	Freezer	8	2	25.0%	68,051	12,614	18.5%
		GT 60 ft	5	2	40.0%	177,859	85,024	47.8%
			3		0.0%	19,105	0	0.0%
	2010	Freezer	7	2	28.6%	57,829	11,400	19.7%
		GT 60 ft	2	0	0	9,245	0	0.0%
		LE 60 ft	2	0	0	15,888	0	0.0%
	2011	Freezer	5	1	20.0%	46,969	6,538	13.9%
		GT 60 ft	2	1	50.0%	53,273	9,716	18.2%
		LE 60 ft	3	0	0	30,850	0	0.0%
	2012	Freezer	6	1	16.7%	71997	22653	31.5%
		GT 60 ft	2	1	50.0%	83436	0	0.0%
		LE 60 ft	2	0	0	29637	0	0.0%
	2013	Freezer	7	1	14.3%	68561	7641	11.1%
		GT 60 ft	2	1	50.0%	90123	11356	12.6%
		LE 60 ft	7	0	0	87263	0	
	2014	Freezer	6	0	0	48114	0	
		GT 60 ft	4	1	25.0%	101122	9596	9.5%
		LE 60 ft	5		0.0%	52676		0.0%
W. Gulf	1995	Freezer	12	8	66.7%	456,929	382,203	83.6
	1996	Freezer	5	4	80	306,110	305,674	99.9

Area	Year	Vessel Category	Number of Leases	Number of Priced Leases	Pct. Priced Leases	All Leased IFQ	IFQ In Priced Leases	Pct. In Priced Leases
	1997	Freezer	8	5	62.5	131,737	117,869	89.5
	1998	Freezer	8	7	87.5	135,138	125,461	92.8
	1999	NA	NA	NA	NA	NA	NA	NA
	2000	Freezer	16	6	37.5%	306,412	142,116	46.4%
		GT 60 ft	1		0.0%	8,509	0	
		LE 60 ft	1		0.0%	6,215	0	
	2001	Freezer	13	4	30.8%	216,892	16,225	7.5%
	2002	Freezer	14	5	35.7%	365,502	171,320	46.9%
		LE 60 ft	1			10,544		
	2003	Freezer	10	4	40.0%	631,683	190,994	
	2004	Freezer	12	5	41.7%	606,581	302,540	49.9%
	2005	Freezer	5	2	40.0%	403,759	201,488	49.9%
	2006	Freezer	12	6	50.0%	431,648	215,824	50.0%
	2007	Freezer	7	3	42.9%	283,566	106,650	37.6%
	2008	Freezer	4	2	50.0%	296,388	148,194	50.0%
		GT 60 ft	2	1	50.0%	22,326	11,163	50.0%
		LE 60 ft	1		0.0%	12,693	0	0.0%
	2009	Freezer	4	2	50.0%	233,278	116,639	50.0%
		GT 60 ft	2	1	50.0%	19,374	9,687	50.0%
		LE 60 ft	1	0	0.0%	11,014	0	0.0%
	2010	Freezer	2	1	50.0%	118,062	70,758	59.9%
		GT 60 ft	1	1	100.0%	9,805	9,805	100.0%
			2		0.0%	17,575	0	0.0%
	2011	Freezer	2	2	100.0%	115,216	115,216	100.0%
		LE 60 ft	3	0	0.0%	0	17,603	0.0%
	2012	Freezer	2	2	1	126596	126596	100.0%
		GT 60 ft	1		0.0%	25708		0.0%
		LE 60 ft	2		0.0%	7341		0.0%
	2013	Freezer	3	2	66.7%	142676	126333	88.5%
		GT 60 ft	1		0.0%	26961		0.0%
		LE 60 ft	2		0.0%	14025		0.0%
	2014	Freezer	1		0.0%	105260		0.0%
		GT 60 ft	2		0.0%	46886		0.0%
		LE 60 ft	2		0.0%	6545		0.0%
Bering Sea	1995	Freezer	8	6	75	172,971	148,956	86.1
	1996	Freezer	5	2	40	51,502	29,941	58.1
	1997	Freezer	6	6	100	81,318	81,318	100
	1998	Freezer	9	8	88.9	245,198	232,757	94.9
	1999	NA	NA	NA	NA	NA	NA	NA
	2000	Freezer	25	10	40.0%	409,441	161,823	39.5%
	2001	Freezer	18	7	38.9%	253,278	87,442	34.5%

Area	Year	Vessel Category	Number of Leases	Number of Priced Leases	Pct. Priced Leases	All Leased IFQ	IFQ In Priced Leases	Pct. In Priced Leases
	2002	Freezer	13	3	23.1%	297,222	32,446	10.9%
	2003	Freezer	7			254,341		
	2004	Freezer	9	4	44.4%	167,784	33,892	20.2%
	2005	Freezer	7	3	42.9%	175,100	80,094	45.7%
	2006	Freezer	4	2	50.0%	234,468	117,234	50.0%
	2007	Freezer	6	2	33.3%	212,000	106,000	50.0%
	2008	Freezer	4	2	50.0%	194,958	97,479	50.0%
	2009	Freezer	4	2	50.0%	116,623	66,623	57.1%
		GT 60 ft	1	0	0.0%	9,231	0	0.0%
		LE 60 ft	2	0	0.0%	9,459	0	0.0%
	2010	Freezer	2	1	50.0%	19,452	17,496	89.9%
		GT 60 ft	2		0.0%	11,676	0	0.0%
	2011	GT 60 ft	4	0	0.0%	88,499	0	0.0%
		LE 60 ft	1	1	100.0%	5,698	191	3.4%
	2012	Freezer						
		GT 60 ft	3	1	33.3%	38549	106	0.3%
		LE 60 ft	2		0.0%	16852		0.0%
	2013	Freezer						
		GT 60 ft	2	0	0.0%	32603		
		LE 60 ft	2	0	0.0%	6537		
	2014	Freezer						
		GT 60 ft	1			13131		
		LE 60 ft	2			6431		
Aleutians	1995	Freezer	11	9	81.8	602,564	575,372	95.5
	1996	Freezer	7	2	28.6	218,346	184,706	84.6
	1997	Freezer	8	8	100	280,466	280,466	100
	1998	Freezer	9	8	88.9	210,570	193,870	92.1
	1999	NA	NA	NA	NA	NA	NA	NA
	2000	Freezer	11	2	18.2%	423,197	49,481	11.7%
	2001	Freezer	9	5	55.6%	345,623	147,811	42.8%
	2002	Freezer	4	2	50.0%	158,194	143,776	90.9%
	2003	Freezer	8	7	87.5%	487,757	481,557	98.7%
	2004	Freezer	4	4	100.0%	298,052	298,052	100.0%
		LE 60 ft	1			15,322		
	2005	Freezer	3	3	100.0%	156,832	156,832	100.0%
	2008	Freezer	1	0	0	92,042	0	0
	2009	Freezer	1	0	0	82,989	0	0
	2010	Freezer	3	1	33.3%	167,484	78,863	47.1%
	2011	Freezer	1	0	0.0%	78,085	0	0.0%

Area	Year	Vessel Category	Number of Leases	Number of Priced Leases	Pct. Priced Leases	All Leased IFQ	IFQ In Priced Leases	Pct. In Priced Leases
	2012	LE 60 ft Freezer	1	0	0.0%	5,057	0	0.0%
		Freezer	4	4	100.0%	187413	187413	100.0%
		LE 60 ft	3		0.0%	91813		0.0%
	2013	Freezer	1	1	100.0%	88455	88455	100.0%
		LE 60 ft	1	1	0.0%	9929	9929	0.0%
	2014	LE 60 ft	1		0.0%	7665		0.0%

As can be seen, QS leases occurred in all sablefish areas in each year except in the Aleutians in 2006 and 2007. Although in low numbers the leases occurred largely within the freezer vessel class. There are no QS leasing restrictions for freezer (harvester-processor) QS. As noted earlier, the regulations that allowed leasing of catcher vessel QS expired on January 2, 1998 and have not been renewed.<sup>37</sup>

Table 4-5 provides information on the relatively low sablefish lease transactions for which prices were available. The table provides price information, and data on the number of priced lease transactions, the amount of QS involved in the lease, the average QS per lease, the amount of IFQ associated with the lease, and the average IFQ per lease by area and vessel category.

Where sufficient observations are available to preserve confidentiality, average lease prices are reported. Prices are reported in dollars per leased QS unit and in dollars per pound of IFQ leased. Prices per pound of IFQ leased are comparable across areas within a year.

**TABLE 4-5. AVERAGE PRICES FOR SABLEFISH QS "PRICED" LEASES BY AREA AND VESSEL CATEGORY, 1995-2014**

Area	Year	VESSEL CATEGORY	AVERAGE LEASE \$/IFQ	AVERAGE LEASE \$/QS	IFQ IN PRICED LEASES	AVERAGE IFQ PER LEASE	QS IN PRICED LEASES	AVERAGE QS PER LEASE	NUMBER OF LEASES
SOUTHEAST	1995	FREEZER	\$1.03	\$0.20	203,375	16,948	1,072,697	89,391	12
	1996	FREEZER	\$0.99	\$0.15	34,339	8,585	225,993	56,498	4
		LE 60 FT	C	C	985	985	6,668	6,668	1
	1997	FREEZER	\$1.18	\$0.15	79,318	13,220	633,885	105,648	6
	1998	FREEZER	\$0.99	\$0.12	82,583	13,764	689,567	114,928	6
		LE 60 FT	C	C	30,660	30,660	262,994	262,994	1
	1999	FREEZER	\$1.17	\$0.12	91,055	15,176	855,095	142,516	6
		LE 60 FT	C	C	28,663	28,663	262,994	262,994	1
	2000	FREEZER	1.05	0.13	54,740	10,948	461,453	92,291	5
		LE 60 FT	C	C	593	593	4,999	4,999	1
	2002	FREEZER	0.99	0.11	47,774	9,555	445,765	89,153	5
	2003	FREEZER	C	C	12,283	12,283	103,479	103,479	1
	2004	FREEZER	C	C	13,010	13,010	103,500	103,500	1
	2005	FREEZER	C	C	33,054	16,527	277,693	138,847	2
	2006	FREEZER	C	C	40,792	20,396	347,568	173,784	2
	2008	FREEZER	C	C	22,121	7,374	206,042	68,681	3
		LE 60 FT	C	C	15,860	15,860	147,725	147,725	1

<sup>37</sup> See 50 CFR 679.41(h)(2)

Area	Year	VESSEL CATEGORY	AVERAGE LEASE \$/IFQ	AVERAGE LEASE \$/QS	IFQ IN PRICED LEASES	AVERAGE IFQ PER LEASE	QS IN PRICED LEASES	AVERAGE QS PER LEASE	NUMBER OF LEASES
W. YAKUTAT	2009	FREEZER	C	C	13,009	6,505	142,086	71,043	2
	2010	FREEZER	C	C	8,903	8,903	103,496	103,496	1
	2013	FREEZER	1.25	0.13	11,131	11,131	104,654	104,654	1
	2014	GT 60 ft	2.25	0.2	43,295	43,295	481,821	481,821	1
	1995	FREEZER	\$0.67	\$0.10	97,172	13,882	624,900	89,271	7
	1996	FREEZER	C	C	52,157	17,386	423,997	141,332	3
	1997	FREEZER	\$0.62	\$0.06	19,432	4,858	188,228	47,057	4
	1998	FREEZER	C	C	5,401	2,701	53,959	26,980	2
	1999	FREEZER	\$0.76	\$0.06	7,380	1,845	96,452	24,113	4
	2000	FREEZER	0.95	0.07	6,184	1,546	77,809	19,452	4
	2002	FREEZER	1	0.07	36,356	9,089	521,898	130,474	4
	2004	FREEZER	C	C	4,476	4,476	48,411	48,411	1
	2005	FREEZER	C	C	4,554	4,554	48,408	48,408	1
	2006	FREEZER	C	C	4,444	2,222	53,957	26,978	2
	2009	FREEZER	C	C	6,533	6,533	101,379	101,379	1
		GT 60 ft	C	C	14,088	14,088	218,618	218,618	1
	2010	FREEZER	C	C	9196	4,598	157,581	78,790	2
	2013	FREEZER	C	C	3,644	3,644	49,777	49,777	1
	2014	LE 60 FT	C	C	8,677	8,677	140,233	140,233	1
C. GULF	1995	FREEZER	\$0.81	\$0.11	353,943	32,177	2,586,923	235,175	11
	1996	FREEZER	\$1.00	\$0.11	68,732	17,183	631,607	157,902	4
		LE 60 FT	.	.	1,987	1,987	18,497	18,497	1
	1997	FREEZER	\$0.51	\$0.05	42,756	10,689	399,450	99,863	4
	1998	FREEZER	\$1.04	\$0.11	134,966	26,993	1,282,294	256,459	5
	1999	FREEZER	\$0.56	\$0.05	115,271	28,818	1,219,457	304,864	4
	2000	FREEZER	C	C	62,084	20,695	685,718	228,573	3
	2001	FREEZER	0.84	0.07	50,138	50,138	587,296	587,296	1
	2002	FREEZER	0.93	0.08	85,842	21,461	1,000,506	250,126	4
	2003	FREEZER	C	C	8,883	8,883	87,334	87,334	1
	2004	FREEZER	C	C	10,070	10,070	87,340	87,340	1
	2006	FREEZER	C	C	9,901	4,951	98,429	49,214	2
	2008	FREEZER	C	C	13,903	6,952	160,076	80,038	2
	2009	FREEZER	C	C	12,614	6,307	160,079	80,040	2
		GT 60 ft	C	C	74,795	74,795	949,193	949,193	1
	2010	FREEZER	C	C	11400	5,700	160,070	80,035	2
	2011	FREEZER	C	C	6538	6,538	87,347	87,347	1
	2013	FREEZER	C	C	7,641	7,641	87,337	87,337	1
W. GULF	1995	FREEZER	\$0.99	\$0.12	382,203	47,775	3,110,377	388,797	8
	1996	FREEZER	\$1.00	\$0.10	305,674	76,419	3,133,082	783,271	4
	1997	FREEZER	\$0.74	\$0.03	117,869	23,574	3,147,642	629,528	5
	1998	FREEZER	\$0.91	\$0.08	125,461	17,923	1,436,038	205,148	7
	1999	FREEZER	.	.	30,988	10,329	342,320	114,107	3
	2000	FREEZER	0.99	0.09	111,642	27,911	1,239,461	309,865	4
	2002	FREEZER	0.99	0.11	171,320	34,264	1,562,404	312,481	5
	2003	FREEZER	1	0.13	190,994	47,749	1,518,173	379,543	4
	2004	FREEZER	1	0.14	302,540	60,508	2,109,339	421,868	5
	2005	FREEZER	1	0.12	201,488	100,744	1,620,528	810,264	2
	2006	FREEZER	C	C	181,210	60,403	1,386,474	462,158	3
	2007	FREEZER	C	C	104,776	52,388	866,571	433,285	2
	2008	FREEZER	C	C	59,277	59,277	640,713	640,713	1
	2010	FREEZER	C	C	70758	70,758	870,776	870,776	1
	2012	FREEZER	C	C	126,596	63,298	1,452,917	726,458	2
	2013	FREEZER	C	C	126,333	63,167	1,474,306	737,153	2
BERING SEA	1995	FREEZER	\$0.53	\$0.05	148,956	24,826	1,730,019	288,337	6
	1996	FREEZER	C	C	29,941	14,971	587,458	293,729	2
	1997	FREEZER	\$0.37	\$0.02	81,318	13,553	1,424,719	237,453	6
	1998	FREEZER	\$0.58	\$0.04	232,757	29,095	3,702,649	462,831	8
	1999	FREEZER	C	C	68,726	22,909	994,972	331,657	3
	2000	FREEZER	1.09	0.08	147,775	18,472	2,139,590	267,449	8

Area	Year	VESSEL CATEGORY	AVERAGE LEASE \$/IFQ	AVERAGE LEASE \$/QS	IFQ IN PRICED LEASES	AVERAGE IFQ PER LEASE	QS IN PRICED LEASES	AVERAGE QS PER LEASE	NUMBER OF LEASES
ALEUTIAN S	2001	FREEZER	C	C	47,014	15,671	641,431	213,810	3
	2002	FREEZER	C	C	32,446	10,815	357,808	119,269	3
	2004	FREEZER	C	C	21,600	10,800	158,527	79,263	2
	2005	FREEZER	C	C	80,094	26,698	699,445	233,148	3
	2006	FREEZER	C	C	100,000	100,000	755,610	755,610	1
	2007	FREEZER	C	C	106,000	35,333	757,942	252,647	3
	2008	FREEZER	C	C	97,479	48,740	726,258	363,129	2
	2009	FREEZER	C	C	66,623	33,312	521,918	260,959	2
	2010	FREEZER	C	C	17496	17,496	130,221	130,221	1
	1995	FREEZER	\$0.53	\$0.05	575,372	63,930	6,154,374	683,819	9
	1996	FREEZER	.	.	11,986	11,986	143,455	143,455	1
	1997	FREEZER	\$0.63	\$0.03	280,466	35,058	5,437,538	679,692	8
	1998	FREEZER	\$0.64	\$0.04	193,870	24,234	3,252,541	406,568	8
	1999	FREEZER	\$0.51	\$0.03	227,624	45,525	3,774,314	754,863	5
	2001	FREEZER	C	C	57,809	28,905	558,221	279,111	2
	2002	FREEZER	C	C	143,776	71,888	1,360,768	680,384	2
	2003	FREEZER	0.5	0.06	481,557	68,794	3,750,077	535,725	7
	2004	FREEZER	C	C	181,114	60,371	1,410,407	470,136	3
	2005	FREEZER	C	C	58,000	29,000	534,412	267,206	2
	2012	FREEZER	1.6	0.14	35,000	35,000	412,293	412,293	1
	2013	FREEZER	0.5	0.04	88,455	88,455	997,772	997,772	1
		LE 60 FT	1	0.09	9,929	9,929	111,999	111,999	1

As can be seen, there are not enough priced observations in many categories to report an average price. Since there were relatively few priced lease transactions, the reader should view the reported average lease prices with caution.

In almost every case the only reportable average prices are for freezer vessels. In 1995, the average lease price for freezer QS in terms of dollars per pound of IFQ varied from \$.53 per pound in the Bering Sea and Aleutian Islands Areas to \$1.03 per pound in the Southeast area.

For 1996, there are fewer reportable average lease prices. Average lease prices for freezer vessel QS varied only slightly. The lease prices varied from \$.37 per pound in Bering Sea in 1997 of IFQ to 1.18 in the Southeast for 1997.

Prices over “all” areas are reported in the last rows of the table for each year from 1995 through 2014. Again, prices can only be reported for the freezer vessel category. Average prices over all areas for the lease of sablefish freezer vessel QS ranged from \$.68 per pound of IFQ in 1997 to \$1.84 per pound of IFQ in 2005 than dropping in 2010 to \$1.16 per pound.<sup>38</sup>

<sup>38</sup> The reader should note that more observations can be included in the average calculated over all areas while preserving the confidentiality of the data.

## 5 Sablefish: Types of Transfers, Financing of Transfers, Relationships between Transferors and Transfer Recipients, and Use of Brokers.

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This chapter uses information collected during QS transfers to classify transactions by type of transaction. Transfers were classified as “priced sales,” “gifts,” “other sales,” “trades,” and “unknown.” The chapter examines the extent to which different financing sources were used in priced transfers, the relationships between parties to transfers, and the extent to which brokers are involved in transfers.

All permanent transfers or leases of QS must be reviewed and approved by NMFS. Persons involved in the transfer or lease of QS are required to complete and submit a transfer application to NMFS-RAM. Part of this application is to be filled out by the transferor and part of it is to be filled out by the transfer recipient. In some cases, brokers help to complete these forms. The transfer application form asks some basic questions to help NMFS monitor changes under the IFQ program. Appendix II provides copies of the transfer applications used from 1995 through 1998 and 2014. Data from the transfer application form has been used for the analyses in this chapter.

<sup>39</sup>

Due to a significant database change, 1999 data are not available in the following tables.

### 5.1 Sales, Gifts, Trades, and Other Transfers

In the early program years the transfer application form did not specifically ask if a QS transfer was a sale, gift, or trade. Without this information, the authors had to use other available transfer form information and some decision criteria to decide how transactions should be classified. For example, on the transfer application persons often indicated whether or not a transfer was a gift when they answered one of the open ended questions such as, “*What is your reason for transferring the QS and/or the IFQ...?*” and “*If this is a purchase of QS or IFQ, how are you financing the purchase...?*” Respondents often answered these questions by writing in “gift,” “gift transfer,” “gift to son,” or a similar answer.

The transfer transactions were divided into one of five categories:

<i>Priced sales</i>	A price for the QS transferred was listed on the transfer application form.
<i>Other sales</i>	Some monetary exchange occurred but during a transfer NMFS-RAM could not calculate a price for the QS, based on application data.
<i>Trades</i>	Something was traded for the QS during a transfer.
<i>Gifts</i>	A QS transfer is noted as a gift with no evidence of a reciprocal exchange.
<i>Unknown</i>	Insufficient or no information was provided or to classify a transaction.

In 1997 NMFS-RAM revised their transfer application forms to provide more detail on gift and trade transactions. With these changes it was possible to reduce the percentage of observations assigned to the “unknown transaction type” category and increase the numbers assigned to “gifts” and “trades.” Because of these refinements, the data series may not be comparable between 1995-1996 and 1997- 2014. Although other application question changes were made over time they did not separately affect classification of transfers in these groups throughout these changes.

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<sup>39</sup>There have been some changes in the survey from one year to another. These are discussed in this chapter where they may be significant.

The numbers of observations assigned to the “priced” category were not affected and this series should be comparable for the 1995-2014 period.

Table 5-1a provides data on the amount of QS transferred in permanent transactions from 1995 through 2014 by management area and the type of exchange. The first columns show the total amount of QS transferred in priced sales, and the percent of all QS transferred by priced sales.<sup>40</sup>

**Table 5-1a. Sablefish QS Transfer Activity by Area, Year, and Nature of the Transfer**

Area	Year	Priced Sales	Pct Priced	Other Sales	Pct Other	Trades	Pct Trades	Gifts	Pct Gifts	Unknown	Pct Unknown	Total QS Transferred
SE	1995	3,979,009	67.5%	327,210	5.5%	339,624	5.8%	434,454	7.4%	817,523	13.9%	5,897,820
	1996	4,137,124	71.5%	11,133	0.2%	280,327	4.8%	54,884	0.9%	1,300,929	22.5%	5,784,397
	1997	3,775,136	73.8%	0	0.0%	388,900	7.6%	588,827	11.5%	362,450	7.1%	5,115,313
	1998	1,363,249	40.1%	0	0.0%	188,145	5.5%	108,059	3.2%	1,743,773	51.2%	3,403,226
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	2,437,200	72.6%	0	0.0%	200,431	6.0%	677,774	20.2%	42,510	1.3%	3,357,915
	2001	2,654,550	95.8%	0	0.0%	0	0.0%	23,371	0.8%	92,008	3.3%	2,769,929
	2002	4,510,823	82.8%	0	0.0%	0	0.0%	935,886	17.2%	1,914	0.0%	5,448,623
	2003	3,915,120	71.2%	69,226	1.3%	634,090	11.5%	884,137	16.1%	0	0.0%	5,502,573
	2004	1,813,584	57.1%	0	0.0%	285,038	9.0%	1,075,695	33.9%	0	0.0%	3,174,317
	2005	4,080,846	66.6%	673,496	11.0%	40,373	0.7%	1,132,161	18.5%	201,183	3.3%	6,128,059
	2006	3,233,391	95.6%	0	0.0%	0	0.0%	149,246	4.4%	0	0.0%	3,382,637
	2007	2,817,853	77.5%	191,327	5.3%	0	0.0%	625,262	17.2%	0	0.0%	3,634,442
	2008	1,623,906	62.2%	0	0.0%	0	0.0%	984,926	37.8%	0	0.0%	2,608,832
	2009	1,219,680	55.0%	59,209	2.7%	0	0.0%	937,635	42.3%	0	0.0%	2,216,524
	2010	1,810,640	71.1%	0	0.0%	0	0.0%	734,337	28.9%	0	0.0%	2,544,977
	2011	1,596,677	65.7%	73,388	3.0%	0	0.0%	649,032	26.7%	110,055	4.5%	2,429,152
	2012	1,067,668	59.7%	132,770	7.4%	0	0.0%	586,718	32.8%	0	0.0%	1,787,156
	2013	935,589	93.7%	0	0.0%	0	0.0%	63,143	6.3%	0	0.0%	998,732
	2014	2,607,462	89.9%	34,465	1.2%	0	0.0%	259,630	8.9%	0	0.0%	2,901,557
	All Yrs	49,579,507	71.8%	1,572,224	2.3%	2,356,928	3.4%	10,905,177	15.8%	4,672,345	6.8%	69,086,181
WY	1995	1,739,106	53.0%	95,642	2.9%	78,786	2.4%	246,064	7.5%	1,118,872	34.1%	3,278,470
	1996	2,857,545	74.2%	0	0.0%	16,749	0.4%	9,032	0.2%	968,084	25.1%	3,851,410
	1997	3,315,101	80.0%	218,234	5.3%	327,367	7.9%	74,929	1.8%	208,350	5.0%	4,143,981
	1998	1,262,283	59.7%	0	0.0%	45,702	2.2%	46,848	2.2%	758,882	35.9%	2,113,715
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	2,157,852	70.1%	0	0.0%	200,431	6.5%	677,774	22.0%	42,510	1.4%	3,078,567
	2001	2,654,550	95.8%	0	0.0%	0	0.0%	23,371	0.8%	92,008	3.3%	2,769,929
	2002	4,510,823	82.8%	0	0.0%	0	0.0%	935,886	17.2%	1,914	0.0%	5,448,623
	2003	3,915,120	71.2%	69,226	1.3%	634,090	11.5%	884,137	16.1%	0	0.0%	5,502,573
	2004	1,813,584	57.1%	0	0.0%	285,038	9.0%	1,075,695	33.9%	0	0.0%	3,174,317
	2005	2,136,630	92.6%	0	0.0%	0	0.0%	170,270	7.4%	11	0.0%	2,306,911
	2006	1,025,813	83.4%	11	0.0%	0	0.0%	1,431	0.1%	202,409	16.5%	1,229,664
	2007	3,190,189	84.4%	293,000	7.8%	0	0.0%	297,387	7.9%	0	0.0%	3,780,576
	2008	777,570	56.7%	0	0.0%	0	0.0%	594,397	43.3%	0	0.0%	1,371,967
	2009	549,934	66.0%	0	0.0%	0	0.0%	283,899	34.0%	0	0.0%	833,833
	2010	557,751	87.9%	0	0.0%	0	0.0%	76,607	12.1%	0	0.0%	634,358
	2011	2,264,968	94.3%	0	0.0%	0	0.0%	136,910	5.7%	0	0.0%	2,401,878
	2012	387,780	0.0%	0	0.0%	0	0.0%	86,654	18.3%	0	0.0%	474,434
	2013	2,232	0.0%	0	0.0%	0	0.0%	77,992	97.2%	0	0.0%	80,224
	2014	652,593	0.0%	0	0.0%	154,520	12.6%	422,457	34.4%	0	0.0%	1,229,570
	All Yrs	35,771,424	75.0%	676,113	1.4%	1,742,683	3.7%	6,121,740	12.8%	3,393,040	7.1%	47,705,000
CG	1995	1,739,106	53.0%	95,642	2.9%	78,786	2.4%	246,064	7.5%	1,118,872	34.1%	3,278,470

<sup>40</sup> These tables reflect QS transferred one or more times. Therefore the apparent percentage of the entire QS “pool” (total units issued) transferred over time is higher than the actual percentage of unique QS units transferred either annually or over time.

Area	Year	Priced Sales	Pct Priced	Other Sales	Pct Other	Trades	Pct Trades	Gifts	Pct Gifts	Unknown	Pct Unknown	Total QS Transferred
CG Cont.	1996	2,857,545	74.2%	0	0.0%	16,749	0.4%	9,032	0.2%	968,084	25.1%	3,851,410
	1997	3,315,101	80.0%	218,234	5.3%	327,367	7.9%	74,929	1.8%	208,350	5.0%	4,143,981
	1998	1,262,283	59.7%	0	0.0%	45,702	2.2%	46,848	2.2%	758,882	35.9%	2,113,715
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	7,646,155	89.7%	81,480	1.0%	128,939	1.5%	455,761	5.3%	214,142	2.5%	8,526,477
	2001	6,061,097	62.4%	3,139,665	32.3%	0	0.0%	423,065	4.4%	85,977	0.9%	9,709,804
	2002	4,388,105	64.0%	2,302,422	33.6%	30,676	0.4%	133,195	1.9%	0	0.0%	6,854,398
	2003	6,037,763	75.6%	0	0.0%	321,385	4.0%	1,627,906	20.4%	0	0.0%	7,987,054
	2004	2,713,366	72.3%	0	0.0%	0	0.0%	1,039,139	27.7%	0	0.0%	3,752,505
	2005	3,265,499	83.0%	65	0.0%	346,512	8.8%	322,150	8.2%	23	0.0%	3,934,249
	2006	5,261,254	94.9%	0	0.0%	73,064	1.3%	99,644	1.8%	112,017	2.0%	5,545,979
	2007	5,034,293	65.1%	1,013,361	13.1%	385,004	5.0%	1,265,072	16.4%	31,278	0.4%	7,729,008
	2008	4,611,353	93.0%	12,384	0.2%	0	0.0%	335,456	6.8%	0	0.0%	4,959,193
	2009	4,354,073	89.3%	0	0.0%	0	0.0%	492,952	10.1%	31,278	0.6%	4,878,303
	2010	3,111,322	89.8%	0	0.0%	0	0.0%	354,881	10.2%	0	0.0%	3,466,203
	2011	2,237,527	76.8%	0	0.0%	0	0.0%	657,591	22.6%	16,905	0.6%	2,912,023
	2012	2,990,173	99.8%	0	0.0%	0	0.0%	5,686	0.2%	0	0.0%	2,995,859
	2013	1,018,436	61.2%	91,257	5.5%	0	0.0%	501,933	30.2%	52,865	3.2%	1,664,491
	2014	990,539	34.6%	91,257	3.2%	0	0.0%	1,780,258	62.2%	0	0.0%	2,862,054
	All Yrs	68,894,990	75.6%	7,045,767	7.7%	1,754,184	1.9%	9,871,562	10.8%	3,598,673	3.9%	91,165,176
WG	1995	1,134,150	59.4%	152,333	8.0%	3,763	0.2%	-	0.0%	618,253	32.4%	1,908,499
	1996	2,936,768	84.1%	0	0.0%	0	0.0%	-	0.0%	556,781	15.9%	3,493,549
	1997	1,949,765	76.3%	364,401	14.3%	955	0.0%	235,660	9.2%	4,264	0.2%	2,555,045
	1998	1,126,187	55.0%	83,194	4.1%	472,740	23.1%	163,471	8.0%	201,146	9.8%	2,046,738
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	2,085,853	93.8%	0	0.0%	0	0.0%	138,563	6.2%	0	0.0%	2,224,416
	2001	3,712,826	64.1%	1,512,616	26.1%	172,778	3.0%	97,869	1.7%	296,340	5.1%	5,792,429
	2002	2,005,871	66.7%	894,317	29.7%	0	0.0%	106,211	3.5%	0	0.0%	3,006,399
	2003	2,853,192	94.4%	168,057	5.6%	0	0.0%	1,536	0.1%	0	0.0%	3,022,785
	2004	2,789,786	93.4%	0	0.0%	0	0.0%	198,577	6.6%	0	0.0%	2,988,363
	2005	3,316,657	97.9%	0	0.0%	0	0.0%	71,682	2.1%	0	0.0%	3,388,339
	2006	2,317,210	90.1%	0	0.0%	0	0.0%	252,816	9.8%	556	0.0%	2,570,582
	2007	3,488,882	73.5%	692,671	14.6%	363,961	7.7%	204,330	4.3%	0	0.0%	4,749,844
	2008	2,625,085	91.4%	0	0.0%	0	0.0%	247,755	8.6%	0	0.0%	2,872,840
	2009	5,771,897	99.3%	0	0.0%	0	0.0%	42,724	0.7%	0	0.0%	5,814,621
	2010	2,381,593	71.9%	0	0.0%	0	0.0%	929,419	28.1%	0	0.0%	3,311,012
	2011	1,379,401	72.2%	0	0.0%	0	0.0%	531,737	27.8%	0	0.0%	1,911,138
	2012	1,062,972	89.8%	0	0.0%	0	0.0%	120,903	10.2%	0	0.0%	1,183,875
	2013	932,452	73.0%	0	0.0%	0	0.0%	345,357	27.0%	0	0.0%	1,277,809
	2014	356,419	56.3%	268,723	42.4%	0	0.0%	7,946	1.3%	0	0.0%	633,088
	All Yrs	44,226,966	80.8%	4,136,312	7.6%	1,014,197	1.9%	3,696,556	6.8%	1,677,340	3.1%	54,751,371
BS	1995	1,739,106	53.0%	95,642	2.9%	78,786	2.4%	246,064	7.5%	1,118,872	34.1%	3,278,470
	1996	2,857,545	74.2%	0	0.0%	16,749	0.4%	9,032	0.2%	968,084	25.1%	3,851,410
	1997	3,315,101	80.0%	218,234	5.3%	327,367	7.9%	74,929	1.8%	208,350	5.0%	4,143,981
	1998	1,262,283	59.7%	0	0.0%	45,702	2.2%	46,848	2.2%	758,882	35.9%	2,113,715
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	1,985,391	90.8%	40,011	1.8%	0	0.0%	161,772	7.4%	0	0.0%	2,187,174
	2001	2,654,550	95.8%	0	0.0%	0	0.0%	23,371	0.8%	92,008	3.3%	2,769,929
	2002	2,113,963	87.5%	14,555	0.6%	0	0.0%	286,593	11.9%	1,914	0.1%	2,417,025
	2003	5,295,015	97.7%	0	0.0%	0	0.0%	122,589	2.3%	0	0.0%	5,417,604
	2004	918,589	52.1%	845,995	47.9%	0	0.0%	-	0.0%	0	0.0%	1,764,584
	2005	1,469,002	92.9%	0	0.0%	0	0.0%	111,405	7.0%	343	0.0%	1,580,750
	2006	683,318	54.7%	0	0.0%	43,016	3.4%	522,396	41.8%	0	0.0%	1,248,730
	2007	635,107	52.2%	0	0.0%	0	0.0%	581,643	47.8%	0	0.0%	1,216,750
	2008	2,047,269	96.3%	0	0.0%	0	0.0%	77,665	3.7%	0	0.0%	2,124,934
	2009	990,901	65.4%	0	0.0%	0	0.0%	524,843	34.6%	0	0.0%	1,515,744
	2010	4,290,045	82.7%	0	0.0%	0	0.0%	899,692	17.3%	0	0.0%	5,189,737

Area	Year	Priced Sales	Pct Priced	Other Sales	Pct Other	Trades	Pct Trades	Gifts	Pct Gifts	Unknown	Pct Unknown	Total QS Transferred
BS Cont.	2011	2,131,387	82.4%	0	0.0%	0	0.0%	456,024	17.6%	0	0.0%	2,587,411
	2012	304,844	37.0%	0	0.0%	0	0.0%	520,151	63.0%	0	0.0%	824,995
	2013	777,076	49.6%	0	0.0%	0	0.0%	788,635	50.4%	0	0.0%	1,565,711
	2014	209,844	37.0%	0	0.0%	0	0.0%	357,519	63.0%	0	0.0%	567,363
	All Yrs	35,680,336	77.0%	1,214,437	2.6%	511,620	1.1%	5,811,171	12.5%	3,148,453	6.8%	46,366,017
AI	1995	1,739,106	53.0%	95,642	2.9%	78,786	2.4%	246,064	7.5%	1,118,872	34.1%	3,278,470
	1996	2,857,545	74.2%	0	0.0%	16,749	0.4%	9,032	0.2%	968,084	25.1%	3,851,410
	1997	3,315,101	80.0%	218,234	5.3%	327,367	7.9%	74,929	1.8%	208,350	5.0%	4,143,981
	1998	1,262,283	59.7%	0	0.0%	45,702	2.2%	46,848	2.2%	758,882	35.9%	2,113,715
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	1,100,158	46.3%	0	0.0%	0	0.0%	331,821	14.0%	943,521	39.7%	2,375,500
	2001	2,654,550	95.8%	0	0.0%	0	0.0%	23,371	0.8%	92,008	3.3%	2,769,929
	2002	4,510,823	82.8%	0	0.0%	0	0.0%	935,886	17.2%	1,914	0.0%	5,448,623
	2003	3,915,120	71.2%	69,226	1.3%	634,090	11.5%	884,137	16.1%	0	0.0%	5,502,573
	2004	1,174,949	85.4%	0	0.0%	0	0.0%	201,516	14.6%	0	0.0%	1,376,465
	2005	5,645,272	92.5%	338,045	5.5%	0	0.0%	119,314	2.0%	0	0.0%	6,102,631
	2006	3,508,222	98.8%	0	0.0%	0	0.0%	42,968	1.2%	0	0.0%	3,551,190
	2007	5,421,273	97.1%	0	0.0%	0	0.0%	159,203	2.9%	0	0.0%	5,580,476
	2008	2,740,337	99.9%	0	0.0%	0	0.0%	1,463	0.1%	0	0.0%	2,741,800
	2009	5,393,413	99.2%	0	0.0%	0	0.0%	42,444	0.8%	0	0.0%	5,435,857
	2010	1,532,497	51.9%	0	0.0%	0	0.0%	1,183,465	40.1%	235,885	8.0%	2,951,847
	2011	3,520,151	61.5%	0	0.0%	0	0.0%	1,255,548	22.0%	943,521	16.5%	5,719,220
	2012	5,159,785	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	5,159,785
	2013	584,700	97.5%	0	0.0%	0	0.0%	14,959	2.5%	0	0.0%	599,659
	2014	4,547,296	97.8%	0	0.0%	0	0.0%	102,230	2.2%	0	0.0%	4,649,526
	All Yrs	60,582,581	82.6%	721,147	1.0%	1,102,694	1.5%	5,675,198	7.7%	5,271,037	7.2%	73,352,657

The “priced sales” category was the predominate class of permanent transfers. In all six of the management areas “priced sales” accounted for over 70% of the QS transferred during the nineteen years. In three of the areas it was at or almost 80% of the QS transferred during the nineteen years.

The total percentages of QS transferred through sales are higher than indicated by the table for “priced sales” since the “other sales” category and, probably, some of the “unknown” transfers were also sales transactions.

The remaining columns show the amount and the percentage of each area’s QS transferred in “other sales,” “trades,” “gifts,” and “unknown” transaction types. As noted earlier, because of changes in the available data it is difficult to interpret the change in the percentage of “gifts,” “trades,” and “unknown” transactions. Therefore, this summary will focus on amounts of QS by type in 1997 - 2014.

In 1997 and 2014, the percentage of QS transferred in “other sales” ranged from zero in a number of area-year combinations up to 8.2% average in the Central Gulf. The percentage of QS transferred in “trades” ranged from zero in several area-year combinations up to 3.7% average in Southeastern region. The percentage of QS transferred as “gifts” ranged from zero in two area-year combinations up to 15.8% average in Southeastern region. The percentage of QS transferred in “unknown” transactions 8.4% average in the Aleutians.

Table 5-1b provides information on the number and percentage of sablefish transfer transactions (as opposed to QS transferred) that were classified as priced sales, other sales, trades, gifts, or unknown.

**Table 5-1b. Numbers of Sablefish QS Transfers by Area, Year, and Nature of the Transfer**

Area	Year	Priced Sales	Pct Priced	Other Sales	Pct Other	Trades	Pct Trades	Gifts	Pct Gifts	Unknown	Pct Unknown	Total QS Transferred
SE	1995	111	74.0%	5	3.3%	7	4.7%	13	8.7%	14	9.3%	150
	1996	108	77.1%	1	0.7%	3	2.1%	3	2.1%	25	17.9%	140
	1997	105	74.5%	0	0.0%	10	7.1%	17	12.1%	9	6.4%	141
	1998	39	65.0%	0	0.0%	4	6.7%	6	10.0%	11	18.3%	60
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	51	82.3%	0	0.0%	2	3.2%	9	14.5%	0	0.0%	62
	2001	43	89.6%	0	0.0%	0	0.0%	3	6.3%	2	4.2%	48
	2002	54	87.1%	0	0.0%	0	0.0%	7	11.3%	1	1.6%	62
	2003	68	76.4%	3	3.4%	6	6.7%	12	13.5%	0	0.0%	89
	2004	35	72.9%	0	0.0%	5	10.4%	8	16.7%	0	0.0%	48
	2005	60	76.9%	2	2.6%	1	1.3%	13	16.7%	2	2.6%	78
	2006	47	87.0%	0	0.0%	0	0.0%	7	13.0%	0	0.0%	54
	2007	52	81.3%	2	3.1%	0	0.0%	10	15.6%	0	0.0%	64
	2008	38	82.6%	0	0.0%	0	0.0%	8	17.4%	0	0.0%	46
	2009	27	77.1%	1	2.9%	0	0.0%	7	20.0%	0	0.0%	35
	2010	29	74.4%	0	0.0%	0	0.0%	10	25.6%	0	0.0%	39
	2011	33	75.0%	1	2.3%	0	0.0%	9	20.5%	1	2.3%	44
	2012	22	73.3%	1	3.3%	0	0.0%	7	23.3%	0	0.0%	30
	2013	16	80.0%		0.0%	0	0.0%	4	20.0%	0	0.0%	20
	2014	41	82.0%	1	2.0%	0	0.0%	8	16.0%	0	0.0%	50
	All Yrs	979	77.7%	17	1.3%	38	3.0%	161	12.8%	65	5.2%	1,260
WY	1995	37	52.1%	7	9.9%	4	5.6%	8	11.3%	15	21.1%	71
	1996	63	73.3%	0	0.0%	1	1.2%	1	1.2%	21	24.4%	86
	1997	78	75.7%	1	1.0%	4	3.9%	13	12.6%	7	6.8%	103
	1998	28	66.7%	0	0.0%	4	9.5%	3	7.1%	7	16.7%	42
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	42	79.2%	0	0.0%	2	3.8%	9	17.0%	0	0.0%	53
	2001	21	80.8%	2	7.7%	0	0.0%	2	7.7%	1	3.8%	26
	2002	25	86.2%	2	6.9%	1	3.4%	1	3.4%	0	0.0%	29
	2003	31	79.5%	0	0.0%	3	7.7%	5	12.8%	0	0.0%	39
	2004	16	76.2%	1	4.8%	0	0.0%	4	19.0%	0	0.0%	21
	2005	31	86.1%	0	0.0%	0	0.0%	4	11.1%	1	2.8%	36
	2006	21	87.5%	1	4.2%	0	0.0%	1	4.2%	1	4.2%	24
	2007	26	72.2%	2	5.6%	0	0.0%	8	22.2%	0	0.0%	36
	2008	27	84.4%	0	0.0%	0	0.0%	5	15.6%	0	0.0%	32
	2009	11	78.6%	0	0.0%	0	0.0%	3	21.4%	0	0.0%	14
	2010	13	92.9%	0	0.0%	0	0.0%	1	7.1%	0	0.0%	14
	2011	31	93.9%	0	0.0%	0	0.0%	2	6.1%	0	0.0%	33
	2012	7	77.8%	0	0.0%	0	0.0%	2	22.2%	0	0.0%	9
	2013	3	60.0%	0	0.0%	0	0.0%	2	40.0%	0	0.0%	5
	2014	13	92.9%	0	0.0%	0	0.0%	1	7.1%	0	0.0%	14
	All Yrs	524	76.3%	16	2.3%	19	2.8%	75	10.9%	53	7.7%	687
CG	1995	59	56.2%	9	8.6%	4	3.8%	8	7.6%	25	23.8%	105
	1996	86	75.4%	0	0.0%	3	2.6%	0	0.0%	25	21.9%	114
	1997	113	77.4%	3	2.1%	6	4.1%	18	12.3%	6	4.1%	146
	1998	47	77.0%	0	0.0%	0	0.0%	7	11.5%	7	11.5%	61
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	64	83.1%	1	1.3%	1	1.3%	8	10.4%	3	3.9%	77
	2001	41	77.4%	4	7.5%	0	0.0%	6	11.3%	2	3.8%	53
	2002	37	72.5%	4	7.8%	5	9.8%	5	9.8%	0	0.0%	51
	2003	71	77.2%	0	0.0%	4	4.3%	17	18.5%	0	0.0%	92
	2004	32	80.0%	0	0.0%	0	0.0%	8	20.0%	0	0.0%	40

Area	Year	Priced Sales	Pct Priced	Other Sales	Pct Other	Trades	Pct Trades	Gifts	Pct Gifts	Unknown	Pct Unknown	Total QS Transferred
CG Cont.	2005	46	80.7%	1	1.8%	1	1.8%	8	14.0%	1	1.8%	57
	2006	34	82.9%	0	0.0%	1	2.4%	4	9.8%	2	4.9%	41
	2007	43	75.4%	3	5.3%	2	3.5%	8	14.0%	1	1.8%	57
	2008	43	89.6%	1	2.1%	0	0.0%	4	8.3%	0	0.0%	48
	2009	28	84.8%	0	0.0%	0	0.0%	4	12.1%	1	3.0%	33
	2010	31	77.5%	0	0.0%	0	0.0%	9	22.5%	0	0.0%	40
	2011	28	75.7%	0	0.0%	0	0.0%	8	21.6%	1	2.7%	37
	2012	35	94.6%		0.0%	0	0.0%	2	5.4%	0	0.0%	37
	2013	20	62.5%	2	6.3%	0	0.0%	9	28.1%	1	3.1%	32
	2014	14	53.8%	2	7.7%	0	0.0%	10	38.5%	0	0.0%	26
	All Yrs	872	74.8	30	2.6%	27	2.4%	143	12.5%	75	6.5%	1,147
WG	1995	14	51.9%	3	11.1%	1	3.7%	0	0.0%	9	33.3%	27
	1996	15	65.2%	0	0.0%	0	0.0%	0	0.0%	8	34.8%	23
	1997	37	75.5%	3	6.1%	1	2.0%	7	14.3%	1	2.0%	49
	1998	23	74.2%	1	3.2%	2	6.5%	2	6.5%	3	9.7%	31
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	27	87.1%	0	0.0%	0	0.0%	4	12.9%	0	0.0%	31
	2001	34	72.3%	8	17.0%	1	2.1%	3	6.4%	1	2.1%	47
	2002	16	69.6%	4	17.4%	0	0.0%	3	13.0%	0	0.0%	23
	2003	20	80.0%	2	8.0%	0	0.0%	3	12.0%	0	0.0%	25
	2004	28	90.3%	0	0.0%	0	0.0%	3	9.7%	0	0.0%	31
	2005	19	90.5%	0	0.0%	0	0.0%	1	4.8%	1	4.8%	21
	2006	17	70.8%	0	0.0%	0	0.0%	7	29.2%	0	0.0%	24
	2007	32	82.1%	2	5.1%	2	5.1%	3	7.7%	0	0.0%	39
	2008	21	91.3%	0	0.0%	0	0.0%	2	8.7%	0	0.0%	23
	2009	21	91.3%	0	0.0%	0	0.0%	2	8.7%	0	0.0%	23
	2010	26	81.3%	0	0.0%	0	0.0%	6	18.8%	0	0.0%	32
	2011	18	81.8%	0	0.0%	0	0.0%	4	18.2%	0	0.0%	22
	2012	15	88.2%	0	0.0%	0	0.0%	2	11.8%	0	0.0%	17
	2013	8	57.1%	0	0.0%	0	0.0%	6	42.9%	0	0.0%	14
	2014	7	70.0%	1	10.0%	0	0.0%	2	20.0%	0	0.0%	10
	All Yrs	398	77.7%	24	4.7%	7	1.4%	60	11.7%	23	4.5%	512
BS	1995	5	38.5%	0	0.0%	2	15.4%	0	0.0%	6	46.2%	13
	1996	7	87.5%	0	0.0%	0	0.0%	0	0.0%	1	12.5%	8
	1997	9	90.0%	0	0.0%	0	0.0%	1	10.0%	0	0.0%	10
	1998	6	75.0%	0	0.0%	0	0.0%	0	0.0%	2	25.0%	8
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	15	78.9%	1	5.3%	0	0.0%	3	15.8%	0	0.0%	19
	2001	12	85.7%	0	0.0%	2	14.3%	0	0.0%	0	0.0%	14
	2002	10	66.7%	1	6.7%	0	0.0%	4	26.7%	0	0.0%	15
	2003	23	88.5%	0	0.0%	0	0.0%	3	11.5%	0	0.0%	26
	2004	7	87.5%	1	12.5%	0	0.0%	0	0.0%	0	0.0%	8
	2005	11	78.6%	0	0.0%	0	0.0%	2	14.3%	1	7.1%	14
	2006	7	58.3%	0	0.0%	1	8.3%	4	33.3%	0	0.0%	12
	2007	7	50.0%	0	0.0%	0	0.0%	7	50.0%	0	0.0%	14
	2008	13	92.9%	0	0.0%	0	0.0%	1	7.1%	0	0.0%	14
	2009	11	78.6%	0	0.0%	0	0.0%	3	21.4%	0	0.0%	14
	2010	18	78.3%	0	0.0%	0	0.0%	5	21.7%	0	0.0%	23
	2011	15	78.9%	0	0.0%	0	0.0%	4	21.1%	0	0.0%	19
	2012	5	55.6%	0	0.0%	0	0.0%	4	44.4%	0	0.0%	9
	2013	2	25.0%	0	0.0%	0	0.0%	6	75.0%	0	0.0%	8
	2014	2	50.0%	0	0.0%	0	0.0%	2	50.0%	0	0.0%	4
	All Yrs	185	73.4%	3	1.2%	5	2.0%	49	19.4%	10	4.0%	252
AI	1995	7	46.7%	1	6.7%	0	0.0%	1	6.7%	6	40.0%	15
	1996	5	50.0%	0	0.0%	1	10.0%	0	0.0%	4	40.0%	10
	1997	14	77.8%	0	0.0%	0	0.0%	3	16.7%	1	5.6%	18
	1998	12	66.7%	0	0.0%	5	27.8%	0	0.0%	1	5.6%	18
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	19	90.5%	0	0.0%	0	0.0%	1	4.8%	1	4.8%	21

Area	Year	Priced Sales	Pct Priced	Other Sales	Pct Other	Trades	Pct Trades	Gifts	Pct Gifts	Unknown	Pct Unknown	Total QS Transferred
AI	2001	10	62.5%	4	25.0%	0	0.0%	1	6.3%	1	6.3%	16
Cont.	2002	9	64.3%	2	14.3%	0	0.0%	3	21.4%	0	0.0%	14
	2003	10	90.9%	0	0.0%	0	0.0%	1	9.1%	0	0.0%	11
	2004	6	75.0%	0	0.0%	0	0.0%	2	25.0%	0	0.0%	8
	2005	12	85.7%	1	7.1%	0	0.0%	1	7.1%	0	0.0%	14
	2006	6	75.0%	0	0.0%	0	0.0%	2	25.0%	0	0.0%	8
	2007	12	92.3%	0	0.0%	0	0.0%	1	7.7%	0	0.0%	13
	2008	11	91.7%	0	0.0%	0	0.0%	1	8.3%	0	0.0%	12
	2009	15	93.8%	0	0.0%	0	0.0%	1	6.3%	0	0.0%	16
	2010	6	50.0%	0	0.0%	0	0.0%	5	41.7%	1	8.3%	12
	2011	11	78.6%	0	0.0%	0	0.0%	2	14.3%	1	7.1%	14
	2012	16	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	16
	2013	6	85.7%	0	0.0%	0	0.0%	1	14.3%	0	0.0%	7
	2014	8	80.0%	0	0.0%	0	0.0%	2	20.0%	0	0.0%	10
	All Yrs	195	77.1%	8	3.2%	6	2.4%	28	11.1%	16	6.3%	253

## 5.2 Finance Source on Priced Sales Transfers

The transfer application form asks for the “primary” source of financing for the transfer. Possible sources listed on the form include personal, bank, Alaska Department of Commerce and Economic Development (DCED) or Commercial Fishing and Agriculture Bank (CFAB) NMFS’ Financial Services Division (FSD), seller, processor, and “other”. In many cases persons indicated more than one source of financing. In other cases application forms had missing information.

The transfer form did not ask for the proportions of financing derived from different sources. This means that if personal financing and bank financing were both used on a particular transaction, it would be impossible to determine what proportion of financing was derived from each source.

Table 5-2a provides information on the sources used to finance QS transferred in “priced sales” transactions in 1995-2014. The table provides data on the amount and percentage of QS transferred under each finance method. These data are reported by area. Since some reported more than one finance method used, the row percentages in the table total more than 100%.

**Table 5-2a. QS Financed for Priced QS Sales, by Area, Year, and Finance Method, 1995-2014**

Area	Year	Personal resources		Bank		DCED or CFAB		NMFS		Seller financed		Processor		Other		Missing		Unique QS
		QS	Pct	QS	Pct	QS	Pct			QS	Pct	QS	Pct	QS	Pct	QS	Pct	
SE	1995	1,710,625	35.3%	1,109,762	22.9%	415,382	8.6%	0	0.0%	639,615	13.2%	170,945	3.5%	53,058	1.1%	743,638	15.4%	4,843,025
	1996	1,903,207	38.9%	1,150,609	23.5%	454,492	9.3%	0	0.0%	619,162	12.7%	146,478	3.0%	206,629	4.2%	410,739	1.4	4,891,316
	1997	2,071,755	49.3%	818,840	19.5%	259,206	6.2%	0	0.0%	1,031,325	24.6%	0	0.0%	17,495	0.4%	0	0	4,198,621
	1998	599,629	43.8%	549,042	40.1%	35,213	2.6%	0	0.0%	5,587	0.4%	159	0.0%	179,206	13.1%	0	0	1,368,836
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	1,073,071	44.0%	767,211	31.5%	75,410	3.1%	358,701	14.7%	78,508	3.2%	0	0.0%	0	0.0%	84,299	3.5%	2,437,200
	2001	542,123	20.4%	864,349	32.6%	297,494	11.2%	150,283	5.7%	484,716	18.3%	0	0.0%	52,770	2.0%	262,815	9.9%	2,654,550
	2002	958,606	21.3%	1,296,001	28.7%	800,729	17.8%	393,622	8.7%	719,538	16.0%	134,222	3.0%	0	0.0%	208,105	4.6%	4,510,823
	2003	1,403,888	37.6%	581,323	15.6%	453,692	12.2%	443,874	11.9%	745,471	20.0%	1,914	0.1%	0	0.0%	101,288	2.7%	3,731,450
	2004	1,000,351	55.8%	274,071	15.3%	117,549	6.6%	151,153	8.4%	251,186	14.0%	0	0.0%	0	0.0%	0	0.0%	1,794,310
	2005	1,638,908	40.8%	1,532,382	38.2%	432,661	10.8%	0	0.0%	139,057	3.5%	0	0.0%	0	0.0%	272,629	6.8%	4,015,637
	2006	916,466	28.3%	575,442	17.8%	308,871	9.6%	278,323	8.6%	693,535	21.4%	0	0.0%	0	0.0%	460,754	14.2%	3,233,391
	2007	741,819	26.3%	732,374	26.0%	368,685	13.1%	43,612	1.5%	853,175	30.3%	0	0.0%	0	0.0%	78,188	2.8%	2,817,853
	2008	725,794	44.7%	431,905	26.6%	218,694	13.5%	150,506	9.3%	68,082	4.2%	28,925	1.8%	0	0.0%	0	0.0%	1,623,906
	2009	112,831	9.6%	456,177	38.8%	237,672	20.2%	147,451	12.5%	221,860	18.9%	0	0.0%	0	0.0%	0	0.0%	1,175,991
	2010	841,219	46.5%	299,379	16.5%	-	0.0%	65,240	3.6%	604,802	33.4%	0	0.0%	0	0.0%	0	0.0%	1,810,640
	2011	434,272	27.7%	104,934	6.7%	-	0.0%	787,731	50.2%	240,815	15.4%	0	0.0%	0	0.0%	0	0.0%	1,567,752
	2012	425,120	39.8%	295,891	27.7%	40,447	3.8%	41,726	3.9%	264,484	24.8%	0	0.0%	0	0.0%		0.0%	1,067,668
	2013	377,912	40.4%		0.0%	31,394	3.4%	38,587	4.1%	476,836	51.0%	0	0.0%	0	0.0%	10,860	1.2%	935,589
	2014	1,353,032	52.5%	111,288	4.3%	141,583	5.5%	595,507	23.1%	208,272	8.1%	0	0.0%	0	0.0%	168,556	6.5%	2,578,238
	All Yrs	18,830,628	36.7%	11,950,980	23.3%	4,689,174	9.1%	3,646,316	7.1%	8,346,026	16.3%	482,643	0.9%	509,158	1.0%	2,801,871	5.5%	51,256,796
WY	1995	868,739	12.2%	184,369	2.6%	21,336	0.3%	0	0.0%	2,897,854	40.8%	394,118	5.5%	456,254	6.4%	2,280,798	12	7,103,468
	1996	1,808,565	22.4%	1,184,527	14.7%	0	0.0%	0	0.0%	3,313,265	41.1%	261,857	3.2%	1046963	13.0%	444,947	2	8,060,124
	1997	2,154,438	41.8%	800,674	15.5%	40,513	0.8%	0	0.0%	1,127,121	21.9%	474,638	9.2%	557,306	10.8%	0	0	5,154,690
	1998	145,348	12.3%	942,188	79.9%	91,261	7.7%	0	0.0%	0	0.0%		0.0%		0.0%		0.0%	1,178,797
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	931,399	43.2%	456,234	21.1%	83,694	3.9%	181,771	8.4%	218,462	10.1%	0	0.0%	0	0.0%	286,292	13.3%	2,157,852
	2001	526,602	17.4%	173,560	5.7%	71,686	2.4%	825,693	27.3%		0.0%	0	0.0%	1,425,696	47.2%		0.0%	3,023,237
	2002	497,272	12.0%	1,187,909	28.6%	0	0.0%		0.0%	653,848	2.7%	0	0.0%	1,798,345	43.3%	13,593	0.3%	4,150,967
	2003	594,821	17.8%	520,187	15.5%	221,087	6.6%	93,340	2.8%	113,164	2.1%	199,830	6.0%	1,606,376	48.0%		0.0%	3,348,805
	2004	253,279	27.5%	6,714	0.7%	26,364	2.9%		0.0%	70,451	30.1%	0	0.0%	562,971	61.2%		0.0%	919,779
	2005	1,219,890	57.1%	275,005	12.9%	0	0.0%	227,848	10.7%	276,614	10.9%	0	0.0%	0	0.0%	137,273	6.4%	2,136,630
	2006	671,314	65.4%	23,841	2.3%	0	0.0%		0.0%	233,319	22.7%	0	0.0%	0	0.0%	97,339	9.5%	1,025,813
	2007	512,654	16.6%	2,125,378	68.8%	63,338	2.0%	18,360	0.6%	371,513	12.0%	0	0.0%	0	0.0%	0	0.0%	3,091,243
	2008	268,862	34.6%	157,533	20.3%	0	0.0%	132,409	17.0%	218,766	28.1%	0	0.0%	0	0.0%	0	0.0%	777,570
	2009	144,802	26.3%	397,895	72.4%	0	0.0%		0.0%	7,237	1.3%	0	0.0%	0	0.0%	0	0.0%	549,934

Area	Year	Personal resources		Bank		DCED or CFAB		NMFS		Seller financed		Processor		Other		Missing		Unique
		QS	Pct	QS	Pct	QS	Pct	QS		QS	Pct	QS	Pct	QS	Pct	QS	Pct	QS
CG	2010	494,053	88.6%	32,973	5.9%	0	0.0%		0.0%	30,725	5.5%	0	0.0%	0	0.0%	0	0.0%	557,751
	2011	1,233,231	54.4%	551,581	24.4%	0	0.0%	283,920	12.5%	196,236	8.7%	0	0.0%	0	0.0%	0	0.0%	2,264,968
	2012	139,001		109,855	28.3%	0	0.0%	138,795	35.8%	129	0.0%	0	0.0%	0	0.0%	0	0.0%	387,780
	2013	2,232		0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	2,232
	2014	444,782		0	0.0%	0	0.0%	207,811	31.8%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	652,593
	All Yrs	12,911,284	27.7%	9,130,423	19.6%	619,279	1.3%	2,109,947	4.5%	9,728,704	20.9%	1,330,443	2.9%	7,453,911	16.0%	3,260,242	7.0%	46,544,233
	1995	2,344,030	64.5%	1,176,583	32.4%	0	0.0%	0	0.0%	55,847	1.5%	0	0.0%	0	0	58,940	1.6%	3,635,400
	1996	3,425,356	49.2%	2,969,727	42.6%	299,240	4.3%	0	0.0%	184,741	2.7%	0	0.0%	44,992	2.9	39,586	0.6%	6,963,642
	1997	3,303,059	38.1%	5,037,829	58.2%	49,997	0.6%	0	0.0%	129,349	1.5%	7,110	0.1%	136,055	5.9	0	0.0%	8,663,399
	1998	1,244,873	77.8%	177,890	11.1%	0	0.0%	0	0.0%	177,927	11.1%	0	0.0%	0	0	0	0.0%	1,600,690
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	4,218,089	55.2%	743,490	9.7%	675,050	8.8%	440,115	5.8%	510,834	6.7%	272,862	3.6%	0	0.0%	785,715	10.3%	7,646,155
	2001	3,024,058	28.8%	1,840,108	17.5%	0	0.0%	579,784	5.5%	61,858	0.6%	30,546	0.3%	4,956,570	47.2%		0.8%	10,492,924
	2002	1,102,455	29.8%	331,377	9.0%	30,676	0.8%	613,679	16.6%	35,459	1.0%	0	0.0%	1,499,967	40.6%	83,335	12.6%	3,696,948
	2003	2,502,310	18.7%	1,878,517	14.0%	321,385	2.4%	739,940	5.5%	1,627,906	12.1%	0	0.0%	6,330,118	47.2%		0.0%	13,400,176
	2004	1,049,447	14.2%	1,193,527	16.1%	285,038	3.8%	196,619	2.7%	1,075,695	14.5%	0	0.0%	3,603,707	48.7%		22.0%	7,404,033
	2005	1,479,436	25.6%	1,132,360	19.6%	0	0.0%	87,346	1.5%	0	0.0%	0	0.0%	2,611,796	45.2%	466,851	#REF!	5,777,789
	2006	2,685,739	27.6%	1,033,903	10.6%	0	0.0%	330,012	3.4%	988,811	10.1%	0	0.0%	4,708,453	48.3%	490	0.6%	9,747,408
	2007	858,601	10.0%	2,038,503	23.7%	0	0.0%	454,304	5.3%	1,085,911	12.6%	0	0.0%	3,983,015	46.2%	196,632	0.0%	8,616,966
	2008	852,396	10.7%	2,142,295	27.0%	0	0.0%	710,797	9.0%	617,552	7.8%	0	0.0%	3,612,243	45.5%		0.0%	7,935,283
	2009	962,165	11.0%	3,315,315	38.1%	31,278	0.4%		0.0%	45,315	0.5%	0	0.0%	4,354,073	50.0%		0.0%	8,708,146
	2010	2,153,271	69.2%	763,735	24.5%		0.0%	194,316	6.2%		0.0%	0	0.0%	0	0.0%	0	0.0%	3,111,322
	2011	1,324,637	59.2%	758,507	33.9%		0.0%	68,053	3.0%	86,330	3.9%	0	0.0%	0	0.0%	0	0.0%	2,237,527
	2012	777,208	26.0%	1,473,132	49.3%	88,931	3.0%	431,020	14.4%	219,882	7.4%	0	0.0%	0	0.0%	0	0.0%	2,990,173
	2013	694,288	71.7%	171,517	17.7%		0.0%	100,892	10.4%	1,641	0.2%	0	0.0%	0	0.0%	0	0.0%	968,338
	2014	552,763	55.8%	307,347	31.0%		0.0%	92,636	9.4%	37,793	3.8%	0	0.0%	0	0.0%	0	0.0%	990,539
	All Yrs	32,529,922	29.7%	26,533,666	24.2%	1,692,664	1.5%	4,414,965	4.0%	6,683,535	6.1%	310,518	0.3%	35,840,989	32.7%	1,631,549	1.5%	109,637,808
WG	1995	938,268	82.7%	133,047	11.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0	62,835	5.5%	1,134,150
	1996	1,250,574	100.0%		0.0%	0		0	0.0%			0	0.0%	0	0	0		1,250,574
	1997	690,168	77.9%	138,206	15.6%	0	0.0%	0	0.0%	21,747	2.5%	35,585	4.0%	0	0	0	0	885,706
	1998	533,016	75.9%	40,207	5.7%	32,465	4.6%	0	0.0%	3,743	0.5%	0	0.0%	92,850	43.5	0	0	702,281
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	577,123	15.3%	730,239	19.4%	191,739	5.1%		0.0%	98,003	2.6%	42,510	1.1%	1,639,614	43.5%	488,749	13.0%	3,767,977
	2001	1,753,565	22.3%	1,584,207	20.1%	0	0.0%		0.0%		0.0%	30,546	0.4%	4,124,397	52.4%	375,054	4.8%	7,867,769
	2002	160,581	4.2%	1,089,211	28.4%	0	0.0%		0.0%	756,079	19.7%	0	0.0%	1,829,789	47.7%		0.0%	3,835,660
	2003	1,104,059	21.4%	839,358	16.3%	0	0.0%	240,757	4.7%	579,997	11.3%	0	0.0%	2,356,566	45.7%	32,844	0.6%	5,153,581

Area	Year	Personal resources		Bank		DCED or CFAB		NMFS		Seller financed		Processor		Other		Missing		Unique QS
		QS	Pct	QS	Pct	QS	Pct			QS	Pct	QS	Pct	QS	Pct	QS	Pct	
WG Cont.	2004	1,395,771	25.2%	1,036,466	18.7%	263,076	4.8%	94,473	1.7%		0.0%	0	0.0%	2,739,545	49.5%	0	0.0%	5,529,331
	2005	566,190	17.1%	2,337,318	70.5%	0	0.0%	0	0.0%	413,149	12.5%	0	0.0%	0	0.0%	0	0.0%	3,316,657
	2006	746,921	32.2%	1,526,057	65.9%	0	0.0%	0	0.0%	44,232	1.9%	0	0.0%	0	0.0%	0	0.0%	2,317,210
	2007	851,267	24.4%	2,504,324	71.8%	62,762	1.8%	0	0.0%	70,529	2.0%	0	0.0%	0	0.0%	0	0.0%	3,488,882
	2008	918,485	35.0%	1,664,607	63.4%		0.0%	0	0.0%	41,993	1.6%	0	0.0%	0	0.0%	0	0.0%	2,625,085
	2009	809,898	14.0%	4,961,999	86.0%		0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	5,771,897
	2010	1,560,576	65.5%	585,092	24.6%	0	0.0%	174,706	7.3%	0	0.0%	0	0.0%	0	0.0%	61,219	2.6%	2,381,593
	2011	938,012	68.0%	343,503	24.9%	0	0.0%	97,886	7.1%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1,379,401
	2012	405,658	38.2%	657,314	61.8%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1,062,972
	2013	575,771	61.7%	0	0.0%	0	0.0%	352,135	37.8%	4,546	0.5%	0	0.0%	0	0.0%	0	0.0%	932,452
	2014	133,353	37.4%	223,066	62.6%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	356,419
	All Yrs	15,909,256	29.6%	20,394,221	37.9%	550,042	1.0%	959,957	1.8%	2,034,018	3.8%	108,641	0.2%	12,782,761	23.8%	1,020,701	1.9%	53,759,597
BS	1995	67,406	2.1%	1,109,762	34.7%	415,382	13.0%	0	0.0%	639,615	20.0%	170,945	5.3%	53,058	1.7%	743,638	23.2%	3,199,806
	1996	587,777	16.4%	1,150,609	32.2%	454,492	12.7%	0	0.0%	619,162	17.3%	146,478	4.1%	206,629	5.8%	410,739	11.5%	3,575,886
	1997	17,405	0.8%	818,840	38.2%	259,206	12.1%	0	0.0%	1,031,325	48.1%	0	0.0%	17,495	0.8%	0	0.0%	2,144,271
	1998	60,435	7.3%	549,042	66.2%	35,213	4.2%	0	0.0%	5,587	0.7%	159	0.0%	179,206	21.6%	0	0.0%	829,642
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	730,341	99.4%	0	0.0%	0	0.0%	0	0.0%	4,292	0.6%	0	0.0%	0	0.0%	0	0.0%	734,633
	2001	711,314	24.3%	459,284	15.7%	0	0.0%	85,474	2.8%	220,536	7.5%	30,546	1.0%	1,421,680	48.5%	0	0.0%	2,928,834
	2002	570,395	18.9%	544,814	18.1%	0	0.0%	0	0.0%	391,397	13.0%	0	0.0%	1,506,606	50.0%	0	0.0%	3,013,212
	2003	1,342,239	16.8%	2,401,808	30.0%	0	0.0%	0	0.0%		0.0%	191,753	2.4%	4,075,756	50.9%	0	0.0%	8,011,556
	2004	251,635	33.6%	0	0.0%	0	0.0%	0	0.0%		0.0%	0	0.0%	497,913	66.4%	0	0.0%	749,548
	2005	2,316,142	94.3%	0	0.0%	0	0.0%	0	0.0%	139,956	5.7%	0	0.0%	0	0.0%	0	0.0%	2,456,098
	2006	99,140	28.7%	0	0.0%	0	0.0%	0	0.0%	246,278	71.3%	0	0.0%	0	0.0%	0	0.0%	345,418
	2007	161,723	25.5%	377,514	59.4%	0	0.0%	95,870	4.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	635,107
	2008	588,120	28.7%	1,339,619	65.4%	0	0.0%	0	0.0%	119,530	5.8%	0	0.0%	0	0.0%	0	0.0%	2,047,269
	2009	990,901	100.0%		0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	990,901
	2010	2,010,733	46.9%	1,678,609	39.1%	600,703	14.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	4,290,045
	2011	1,739,256	81.6%	150,216	7.0%	0	0.0%	0	0.0%	241,915	11.4%	0	0.0%	0	0.0%	0	0.0%	2,131,387
	2012	273,230	89.6%	31,614	10.4%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	304,844
	2013		0.0%	46,306	6.0%	0	0.0%	0	0.0%	0	0.0%	730,770	94.0%	0	0.0%	0	0.0%	777,076
	2014	209,844	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	209,844
	All Yrs	12,728,036	32.3%	10,658,037	27.1%	1,764,996	4.5%	181,344	3.7%	3,659,593	9.3%	1,270,651	3.2%	7,958,343	20.2%	1,154,377	2.9%	39,375,377
AL	1995	1,710,625	35.3%	1,109,762	22.9%	415,382	8.6%	0	0.0%	639,615	13.2%	170,945	3.5%	53,058	1.1%	743,638	15.9	4,843,025
	1996	1,903,207	38.9%	1,150,609	23.5%	454,492	9.3%	0	0.0%	619,162	12.7%	146,478	3.0%	206,629	4.2%	410,739	1.4	4,891,316
	1997	2,071,755	49.3%	818,840	19.5%	259,206	6.2%	0	0.0%	1,031,325	24.6%	0	0.0%	17,495	0.4%	0	0	4,198,621

Area	Year	Personal resources		Bank		DCED or CFAB		NMFS		Seller financed		Processor		Other		Missing		Unique QS
		QS	Pct	QS	Pct	QS	Pct			QS	Pct	QS	Pct	QS	Pct	QS	Pct	
AI Cont.	1998	599,629	43.8%	549,042	40.1%	35,213	2.6%	0	0.0%	5,587	0.4%	159	0.0%	179,206	13.1%	0	0	1,368,836
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	730,341	60.9%	0	0.0%	200,431	16.7%	0	0.0%	127,943	10.7%	141,187	11.8%	0	0.0%	0	0	1,199,902
	2001	711,314	34.2%	786,942	37.8%	0	0.0%	0	0.0%	582,599	28.0%	0	0.0%	0	0.0%	0	0.0%	2,080,855
	2002	570,395	47.6%	189,594	15.8%	0	0.0%	0	0.0%	437,212	36.5%	0	0.0%	0	0.0%	0	0.0%	1,197,201
	2003	1,342,239	31.6%	2,057,428	48.4%	321,385	7.6%	0	0.0%	531,786	12.5%	0	0.0%	0	0.0%	0	0.0%	4,252,838
	2004	251,635	17.2%	923,314	63.2%	285,038	19.5%	0	0.0%		0.0%	0	0.0%	0	0.0%	0	0.0%	1,459,987
	2005	2,316,142	48.8%	2,116,456	44.6%	0	0.0%	0	0.0%	312,547	6.6%	0	0.0%	0	0.0%	0	0.0%	4,745,145
	2006	99,140	2.8%	3,168,756	90.3%	0	0.0%	0	0.0%	240,326	6.9%	0	0.0%	0	0.0%	0	0.0%	3,508,222
	2007	1,540,360	28.4%	435,823	8.0%	0	0.0%	0	0.0%	3,445,090	63.5%	0	0.0%	0	0.0%	0	0.0%	5,421,273
	2008	1,046,732	38.2%	1,477,245	53.9%	0	0.0%	0	0.0%	216,360	7.9%	0	0.0%	0	0.0%	0	0.0%	2,740,337
	2009	2,737,637	50.8%	2,565,020	47.6%	0	0.0%	0	0.0%	90,756	1.7%	0	0.0%	0	0.0%	0	0.0%	5,393,413
	2010	377,787	24.7%	1,154,710	75.3%	0	0.0%	0	0.0%		0.0%	0	0.0%	0	0.0%	0	0.0%	1,532,497
	2011	550,922	15.7%	1,777,834	50.5%	0	0.0%	0	0.0%	1,191,395	33.8%	0	0.0%	0	0.0%	0	0.0%	3,520,151
	2012	849,617	16.5%	4,047,027	78.4%	0	0.0%	263,141	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	5,159,785
	2013	99,167	20.6%	383,303	79.4%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	482,470
	2014	2,161,972	48.4%	2,305,650	51.6%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	4,467,622
	All Yrs	21,670,616	34.7%	27,017,355	43.3%	1,971,147	3.2%	263,141	0.0%	9,471,703	15.2%	458,769	0.7%	456,388	0.7%	1,154,377	1.8%	62,463,496

Personal resources and banks were the most important sources of financing. Personal resources were the most widely used financing method for QS in the Southeast, West Yakutat, Central Gulf, Western Gulf, and Aleutian Islands areas over the nineteen year period. Banks overall average was slightly higher in the Bering Sea area during the nineteen years. The average percent of QS financed with personal resources ranged from 24% in the West Yakutat area up to 35.7% in Southeast area during the nineteen years. The percent financed by banks ranged from 24.7 % in Southeast to 38.7% in the Aleutian Islands during the period.

The other financing methods were generally used for less than 10% of the QS over the nineteen -year period. Exceptions are “seller financing” in the Southeast, West Yakutat , Central Gulf, Bering Sea, and Aleutian Islands areas and “other financing” in the West Yakutat Central Gulf, Western Gulf and Bering Sea areas.

Table 5-2b also provides information on the sources used to finance QS transferred in “priced sales” transactions in 1995-2014. However, while Table 5-2a provides information on the *amount* and percentage of *QS* transferred, Table 5-2b provides information on the *number* and percentage of *QS transfers* under each finance method.

**Table 5-2b. QS Transactions for Priced QS Sales, by Area, Year, and Finance Method, 1995-2014**

Area	Year	Personal resources		Bank		DCED or CFAB		Seller		Processor		NMFS		Other		Missing		Unique Trans.
		Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	
SE	1995	71	64.0%	20	18.0%	9	8.1%	19	17.1%	3	2.7%	*		4	3.6%	8	7.2%	111
	1996	64	59.3%	29	26.9%	4	3.7%	12	11.1%	2	1.9%	*		4	3.7%	6	5.6%	108
	1997	76	72.4%	20	19.0%	5	4.8%	7	6.7%	0	0.0%	*		2	1.9%	0	0.0%	105
	1998	25	64.1%	9	23.1%	2	5.1%	1	2.6%	1	2.6%	*		2	5.1%	0	0.0%	39
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	29	56.9%	13	25.5%	2	3.9%	2	3.9%	0	0.0%	4	7.8%	0	0.0%	1	2.0%	51
	2001	17	39.5%	5	11.6%	8	18.6%	4	9.3%	0	0.0%	4	9.3%	1	2.3%	4	9.3%	43
	2002	18	33.3%	11	20.4%	8	14.8%	6	11.1%	1	1.9%	6	11.1%	0	0.0%	4	7.4%	54
	2003	29	46.8%	6	9.7%	8	12.9%	7	11.3%	1	1.6%	10	16.1%	0	0.0%	1	1.6%	62
	2004	21	65.6%	4	12.5%	3	9.4%	4	12.5%	0	0.0%	1	3.1%	0	0.0%	0	0.0%	32
	2005	33	52.4%	19	30.2%	4	6.3%	1	1.6%	0	0.0%	0	0.0%	0	0.0%	2	3.2%	63
	2006	22	22.2%	5	5.1%	4	4.0%	2	2.0%		0.0%	4	4.0%	0	0.0%	10	10.1%	99
	2007	26	56.5%	10	21.7%	4	8.7%	3	6.5%	0	0.0%	2	4.3%	0	0.0%	3	6.5%	46
	2008	21	61.8%	7	20.6%	2	5.9%	3	8.8%	1	2.9%	4	11.8%	0	0.0%	0	0.0%	34
	2009	10	50.0%	6	30.0%	4	20.0%		0.0%	0	0.0%	3	15.0%	0	0.0%	0	0.0%	20
	2010	19	70.4%	4	14.8%	0	0.0%	4	14.8%	0	0.0%	2	7.4%	0	0.0%	0	0.0%	27
	2011	19	79.2%	3	12.5%	0	0.0%	2	0.0%	0	0.0%	8	33.3%	0	0.0%	0	0.0%	24
	2012	12	54.5%	3	13.6%	2	9.1%	3	0.0%	0	0.0%	2	9.1%	0	0.0%	0	0.0%	22
	2013	10	50.0%		0.0%	1	5.0%	3	0.0%	0	0.0%	1	5.0%	0	0.0%	0	0.0%	20
	2014	28	70.0%	1	2.5%	2	5.0%	3	0.0%	0	0.0%	5	12.5%	0	0.0%	0	0.0%	40
	All Yrs	550	55.0%	175	17.5%	72	7.2%	86	8.6%	9	0.9%	56	5.6%	13	1.3%	39	3.9%	1000
WY	1995	24	61.5%	4	10.3%	2	5.1%	2	5.1%	1	2.6%	0		0	0.0%	6	15.4%	39
	1996	50	74.6%	11	16.4%	0	0.0%	2	3.0%	2	3.0%	0		1	1.5%	1	1.5%	67
	1997	59	74.7%	12	15.2%	2	2.5%	4	5.1%	0	0.0%	0		2	2.5%	0	0.0%	79
	1998	17	58.6%	7	24.1%	2	6.9%	0	0.0%	1	3.4%	0		2	6.9%	0	0.0%	29
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	32	76.2%	2	4.8%	1	2.4%	1	2.4%	0	0.0%	5	11.9%	0	0.0%	1	2.4%	42
	2001	13	61.9%	1	4.8%	1	4.8%		0.0%	0	0.0%	6	28.6%	0	0.0%	0	0.0%	21
	2002	12	48.0%	7	28.0%	0	0.0%	5	20.0%	0	0.0%	0	0.0%	0	0.0%	1	4.0%	25
	2003	15	50.0%	7	23.3%	1	3.3%	2	6.7%	1	3.3%	4	13.3%	0	0.0%	0	0.0%	30
	2004	10	71.4%	1	7.1%	1	7.1%	2	14.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	14

Area	Year	Personal resources		Bank		DCED or CFAB		Seller		Processor		NMFS		Other		Missing		Unique Trans.
		Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	
	2005	20	64.5%	4	12.9%	0	0.0%	1	3.2%	0	0.0%	5	16.1%	0	0.0%	1	3.2%	31
	2006	15	71.4%	1	4.8%	0	0.0%	2	9.5%	0	0.0%	0	0.0%	0	0.0%	3	14.3%	21
	2007	8	32.0%	13	52.0%	1	4.0%	2	8.0%	0	0.0%	1	4.0%	0	0.0%	0	0.0%	25
	2008	17	63.0%	3	11.1%	0	0.0%	3	11.1%	0	0.0%	4	14.8%	0	0.0%	0	0.0%	27
	2009	5	45.5%	5	45.5%	0	0.0%	1	9.1%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	11
	2010	10	76.9%	2	15.4%	0	0.0%	1	7.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	13
	2011	19	61.3%	5	16.1%	0	0.0%	4	12.9%	0	0.0%	3	9.7%	0	0.0%	0	0.0%	31
	2012	2	28.6%	2	28.6%	0	0.0%	1	14.3%	0	0.0%	2	28.6%	0	0.0%	0	0.0%	7
	2013	3	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	3
	2014	11	84.6%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	2	15.4%	0	0.0%	0	0.0%	13
	All Yrs	342	64.8%	87	16.5%	11	2.1%	33	6.3%	5	0.9%	32	6.1%	5	0.9%	13	2.5%	528
CG	1995	38	64.4%	11	18.6%	4	6.8%	9	15.3%	2	3.4%	0	0	0	0.0%	7	11.9%	59
	1996	56	60.9%	22	23.9%	2	2.2%	4	4.3%	2	2.2%	0	0	4	4.3%	2	2.2%	92
	1997	70	60.3%	30	25.9%	4	3.4%	6	5.2%	2	1.7%	0	0	4	3.4%	0	0.0%	116
	1998	27	57.4%	2	4.3%	2	4.3%	4	8.5%	2	4.3%	0	0	10	21.3%	0	0.0%	47
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	42	68.9%	3	4.9%	4	6.6%	5	8.2%	0	0.0%	3	4.9%	0	0.0%	4	6.6%	61
	2001	17	45.9%	7	18.9%	5	13.5%	3	8.1%	0	0.0%	5	13.5%	0	0.0%	0	0.0%	37
	2002	22	61.1%	2	5.6%		0.0%	8	22.2%	0	0.0%	3	8.3%	0	0.0%	1	2.8%	36
	2003	37	52.9%	18	25.7%	4	5.7%	3	4.3%	0	0.0%	8	11.4%	0	0.0%	0	0.0%	70
	2004	18	58.1%	6	19.4%	4	12.9%	0	0.0%	0	0.0%	3	9.7%	0	0.0%	0	0.0%	31
	2005	30	65.2%	9	19.6%	4	8.7%	0	0.0%	0	0.0%	1	2.2%	0	0.0%	2	4.3%	46
	2006	19	55.9%	3	8.8%	5	14.7%	2	5.9%	0	0.0%	4	11.8%	0	0.0%	1	2.9%	34
	2007	18	45.0%	13	32.5%	0	0.0%	4	10.0%	0	0.0%	5	12.5%	0	0.0%	0	0.0%	40
	2008	22	64.7%	10	29.4%	0	0.0%	2	5.9%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	34
	2009	17	65.4%	8	30.8%	1	3.8%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	26
	2010	25	80.6%	5	16.1%	0	0.0%	0	0.0%	0	0.0%	1	3.2%	0	0.0%	0	0.0%	31
	2011	19	67.9%	6	21.4%	0	0.0%	2	7.1%	0	0.0%	1	3.6%	0	0.0%	0	0.0%	28
	2012	17	48.6%	12	34.3%	1	2.9%	1	2.9%	0	0.0%	4	11.4%	0	0.0%	0	0.0%	35
	2013	14	73.7%	2	10.5%	0	0.0%	1	5.3%	0	0.0%	2	10.5%	0	0.0%	0	0.0%	19
	2014	9	69.2%	3	23.1%	0	0.0%	0	0.0%	0	0.0%	1	7.7%	0	0.0%	0	0.0%	13
	All Yrs	517	60.5%	172	20.1%	40	4.7%	54	6.3%	8	0.9%	41	4.8%	18	2.1%	17	0.0%	855

Area	Year	Personal resources		Bank		DCED or CFAB		Seller		Processor		NMFS		Other		Missing		Unique Trans.
		Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	
WG	1995	9	64.3%	3	21.4%	0	0.0%	0	0.0%	0	0.0%	*		0	0.0%	2	14.3%	14
	1996	12	80.0%	3	20.0%	0	0.0%	1	6.7%	0	0.0%	*		0	0.0%	0	0.0%	15
	1997	20	54.1%	13	35.1%	1	2.7%	1	2.7%	0	0.0%	*		3	8.1%	0	0.0%	37
	1998	12	52.2%	5	21.7%	0	0.0%	0	0.0%	1	4.3%	*		5	21.7%	0	0.0%	23
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	14	51.9%	8	29.6%	2	7.4%	1	3.7%	0	0.0%		0.0%	0	0.0%	2	7.4%	27
	2001	20	48.8%	10	24.4%	0	0.0%	0	0.0%		0.0%		0.0%	0	0.0%	4	9.8%	41
	2002	6	35.3%	7	41.2%	0	0.0%	3	17.6%	0	0.0%	0	0.0%	0	0.0%		0.0%	17
	2003	8	53.3%	5	33.3%	0	0.0%	3	20.0%	0	0.0%	2	13.3%	0	0.0%	1	6.7%	15
	2004	13	38.2%	10	29.4%	4	11.8%		0.0%	0	0.0%	1	2.9%	0	0.0%	0	0.0%	34
	2005	7	50.0%	6	42.9%	0	0.0%	6	42.9%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	14
	2006	8	17.8%	8	17.8%	0	0.0%	1	2.2%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	45
	2007	12	38.7%	18	58.1%	1	3.2%	1	3.2%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	31
	2008	10	50.0%	10	50.0%	0	0.0%	1	5.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	20
	2009	10	45.5%	11	50.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	22
	2010	20	80.0%	4	16.0%	0	0.0%	0	0.0%	0	0.0%	1	4.0%	0	0.0%	1	4.0%	25
	2011	15	75.0%	2	10.0%	0	0.0%	0	0.0%	0	0.0%	1	5.0%	0	0.0%	0	0.0%	20
	2012	8	53.3%	7	46.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	15
	2013	5	62.5%		0.0%	0	0.0%	1	12.5%		0.0%	2	25.0%	0	0.0%	0	0.0%	8
	2014	4	44.4%	3	33.3%	0	0.0%	0	0.0%		0.0%		0.0%	0	0.0%	0	0.0%	9
	All Yrs	213	49.3%	133	30.8%	8	1.9%	19	4.4%	1	0.2%	7	1.6%	8	1.9%	10	2.3%	432
BS	1995	3	60.0%	2	40.0%	0	0.0%	0	0.0%	0	0.0%	*	0	0	0.0%	0	0.0%	5
	1996	3	42.9%	4	57.1%	0	0.0%	1	14.3%	0	0.0%	*	0	0	0.0%	0	0.0%	7
	1997	4	44.4%	2	22.2%	0	0.0%	0	0.0%	0	0.0%	*	0	3	33.3%	0	0.0%	9
	1998	2	33.3%	2	33.3%	0	0.0%	2	33.3%	0	0.0%	*	0	0	0.0%	0	0.0%	6
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	14	93.3%		0.0%	0	0.0%	1	6.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	15
	2001	6	50.0%	2	16.7%	0	0.0%	2	16.7%	0	0.0%	2	16.7%	0	0.0%	0	0.0%	12
	2002	6	60.0%	2	20.0%	0	0.0%	2	20.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	10
	2003	16	64.0%	6	24.0%	0	0.0%	0	0.0%	1	4.0%	0	0.0%	0	0.0%	0	0.0%	25
	2004	7	87.5%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	8
	2005	7	33.3%	0	0.0%	0	0.0%	2	9.5%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	21
	2006	5	100.0%	0	0.0%	0	0.0%	1	20.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	5

Area	Year	Personal resources		Bank		DCED or CFAB		Seller		Processor		NMFS		Other		Missing		Unique
		Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	Trans.	Pct.	
BS Cont.	2007	3	33.3%	3	33.3%	0	0.0%	0	0.0%	0	0.0%	1	11.1%	0	0.0%	0	0.0%	9
	2008	7	58.3%	4	33.3%	0	0.0%	2	16.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	12
	2009	11	84.6%		0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	13
	2010	11	57.9%	4	21.1%	3	15.8%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	19
	2011	12	80.0%	2	13.3%	0	0.0%	1	6.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	15
	2012	3	60.0%	2	40.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	5
	2013	0	0.0%		0.0%	1	50.0%	0	0.0%	1	50.0%	0	0.0%	0	0.0%	0	0.0%	2
	2014	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%		0.0%	2
	All Yrs	122	61.0%	35	17.5%	4	2.0%	14	7.0%	2	1.0%	3	1.5%	3	1.5%	0	0.0%	200
AI	1995	1	12.5%	2	25.0%	0	0.0%	2	25.0%	0	0.0%	0	0.0%	1	12.5%	2	25.0%	8
	1996	3	50.0%	2	33.3%	0	0.0%	1	16.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	6
	1997	7	43.8%	4	25.0%	0	0.0%	2	12.5%	0	0.0%	0	0.0%	3	18.8%	0	0.0%	16
	1998	7	58.3%	1	8.3%	0	0.0%	1	8.3%	1	8.3%	0	0.0%	2	16.7%	0	0.0%	12
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	15	78.9%	0	0.0%	0	0.0%	2	10.5%	1	5.3%	0	0.0%	0	0.0%	1	5.3%	19
	2001	6	60.0%	3	30.0%	0	0.0%	1	10.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	10
	2002	5	55.6%	2	22.2%	0	0.0%	2	22.2%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	9
	2003	6	60.0%	1	10.0%	0	0.0%	3	30.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	10
	2004	3	50.0%	3	50.0%	0	0.0%		0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	6
	2005	4	40.0%	4	40.0%	0	0.0%	2	20.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	10
	2006	1	16.7%	4	66.7%	0	0.0%	1	16.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	6
	2007	5	41.7%	2	16.7%	0	0.0%	5	41.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	12
	2008	4	36.4%	6	54.5%	0	0.0%	1	9.1%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	11
	2009	11	73.3%	3	20.0%	0	0.0%	1	6.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	15
	2010	4	66.7%	2	33.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	6
	2011	7	63.6%	3	27.3%	0	0.0%	1	9.1%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	11
	2012	4	25.0%	11	68.8%	1	6.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	16
	2013	1	25.0%	3	75.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	4
	2014	3	50.0%	3	50.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	6
	All Yrs	97	50.3%	59	30.6%	1	0.5%	25	13.0%	2	1.0%	0	0.0%	6	3.1%	3	1.6%	193

As in Table 5-2a, these data are reported by area. Again, since some persons reported more than one finance method used, the row percentages in the table may total more than 100%. The data in this table are generally consistent with that in Table 5-2a. Personal resources are the most important finance method, followed by banks, seller financing, and other methods.

### 5.3 Relationship of Buyer and Seller on Permanent Transfers

This section examines the relationship between transferors and transfer recipients in permanent QS transfers. In the tables in this section these categories were designated as “partner,” “family,” “friend,” or “none.” Note that these tables should be read with caution because the actual categories on the NMFS-RAM transfer application form changed over the time period.

<sup>43</sup> Table 5-3a provides a summary of the responses to this question for all QS transfers recorded as transfer, sweep-up, spousal, and court transactions on the NMFS-RAM data base. The data are provided by management area and show the amount of QS involved in transfers based upon the relationship between the buyer and seller.

**Table 5-3a. QS Transferred by Area, Year, and Relationship of Transfer Parties, 1995-2014**

Area	Year	Between Family	Pct Family	Between Friends	Pct Friends	Between Partners	Pct Partne r	No Relation	Pct No Relation	Missing Informatio n	Pct Missin g	Total Transfers
SE	1995	605,937	10.3%	963,507	16.3%	439,957	7.5%	3,374,699	57.2%	513,720	8.7%	5,897,820
	1996	500,177	8.6%	919,596	15.9%	117,489	2.0%	3,344,358	57.8%	902,777	15.6%	5,784,397
	1997	1,077,023	21.1%	811,954	15.9%	32,792	0.6%	2,733,980	53.4%	459,564	9.0%	5,115,313
	1998	800,884	23.5%	140,565	4.1%	52,774	1.6%	1,508,032	44.3%	900,971	26.5%	3,403,226
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	568,448	16.1%	165,028	4.7%	173,560	4.9%	2,321,899	65.7%	302,540	8.6%	3,531,475
	2001	611,778	22.3%	0	0.0%	0	0.0%	2,043,487	74.4%	92,008	3.3%	2,747,273
	2002	1,627,540	28.7%	156,290	2.8%	0	0.0%	3,813,473	67.3%	65,437	1.2%	5,662,740
	2003	948,667	19.4%	209,575	4.3%	0	0.0%	3,657,526	74.8%	71,542	1.5%	4,887,310
	2004	1,680,467	49.2%	0	0.0%	0	0.0%	1,731,735	50.8%	0	0.0%	3,412,202
	2005	1,274,192	21.0%	22,683	0.4%	679,411	11.2%	3,878,809	64.0%	201,169	3.3%	6,056,264
	2006	266,338	7.9%	772,435	22.8%	0	0.0%	2,343,864	69.3%	0	0.0%	3,382,637
	2007	1,236,853	37.6%	154,032	4.7%	0	0.0%	1,896,716	57.7%	0	0.0%	3,287,601
	2008	1,171,794	44.5%	170,280	6.5%	35,389	1.3%	1,214,213	46.1%	40,683	1.5%	2,632,359
	2009	92,426	4.9%	17,221	0.9%	589,855	31.0%	1,202,459	63.2%	0	0.0%	1,901,961
	2010	325,636	15.4%	1,672	0.1%	0	0.0%	1,786,857	84.5%	0	0.0%	2,114,165
	2011	673,282	28.2%	77,216	3.2%	452,956	19.0%	1,071,605	44.9%	110,055	4.6%	2,385,114
	2012	979,246	54.8%	3,224	0.2%	4,726	0.3%	799,960	44.8%		0.0%	1,787,156
	2013	520,327	53.6%	29,478	3.0%	0	0.0%	421,496	43.4%		0.0%	971,301
	2014	651,907	21.9%	182,525	6.1%	0	0.0%	2,139,410	71.9%		0.0%	2,973,842
	All Yrs	15,612,922	23.0%	4,797,281	7.1%	2,578,909	3.8%	41,284,578	60.8%	3,660,466	5.4%	67,934,156
WY	1995	277,089	8.5%	117,374	3.6%	422,457	12.9%	1,706,927	52.1%	754,623	23.0%	3,278,470
	1996	118,345	3.1%	188,694	4.9%	287,897	7.5%	2,671,250	69.4%	585,224	15.2%	3,851,410
	1997	168,503	4.1%	1,062,257	25.6%	646,354	15.6%	2,259,630	54.5%	7,237	0.2%	4,143,981
	1998	67,538	3.2%	42,115	2.0%	0	0.0%	1,297,017	61.4%	707,045	33.5%	2,113,715
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	412,123	14.5%	66,032	2.3%	0	0.0%	2,305,118	81.1%	60,613	2.1%	2,843,886
	2001	317,801	16.6%	276,440	14.5%	514,101	26.9%	802,690	42.0%	0		1,911,032
	2002	360,895	14.6%	74,134	3.0%	348,777	14.1%	1,686,790	68.3%	0		2,470,596
	2003	317,691	13.3%	70,670	3.0%	0	0.0%	1,961,411	82.0%	0		2,392,614
	2004	259,554	22.9%	0	0.0%	0	0.0%	815,197	71.8%	61,053	5.4%	1,135,804
	2005	0	0.0%	0	0.0%	42,842	1.9%	2,264,069	98.1%	0	0.0%	2,306,911
	2006	234,750	22.9%	117,528	11.4%	0	0.0%	674,977	65.7%	0	0.0%	1,027,255
	2007	669,636	17.7%	0	0.0%	0	0.0%	3,110,940	82.3%	0	0.0%	3,780,576
	2008	468,110	32.4%	42,841	3.0%	43,382	3.0%	817,634	56.6%	73,292	5.1%	1,445,259
	2009	7,285	0.9%	0	0.0%	276,614	33.2%	549,934	66.0%	0	0.0%	833,833
	2010	76,607	12.7%	32,973	5.5%	0	0.0%	494,053	81.8%	0	0.0%	603,633
	2011	373,742	16.9%	41,523	1.9%	0	0.0%	1,796,716	81.2%	0	0.0%	2,211,981

<sup>43</sup>The relationship question on the transfer application form changed between 1995 and 1996. In 1995 respondents were given a choice of “No relationship,” “Business Partner,” “Personal Family Member,” and “Other Friend or Relative.” In 1996 “Personal Family Member” became “Family Member,” “Other Friend or Relative” became “Friend,” and an “Other” category was introduced.

WY	2012	86,783	15.4%	173,094	30.7%	0	0.0%	303,255	53.9%	0	0.0%	563,132
Cont.	2013	77,992	97.2%		0.0%	0	0.0%	2,232	2.8%	0	0.0%	80,224
	2014	422,457	34.4%		0.0%	0	0.0%	807,113	65.6%	0	0.0%	1,229,570
	All Yrs	4,716,901	12.4%	2,305,675	6.0%	2,582,424	6.8%	26,326,953	69.0%	2,249,087	5.9%	38,181,040
CG	1995	404,810	5.2%	539,372	6.9%	656,886	8.4%	4,630,004	59.0%	1,602,404	20.5%	7,833,476
	1996	72,885	0.8%	945,557	10.1%	307,227	3.3%	7,491,549	79.9%	584,360	6.2%	9,401,578
	1997	1,705,491	15.0%	821,250	7.2%	327,509	2.9%	8,513,185	74.9%	4,089	0.0%	11,371,524
	1998	361,778	7.8%	350,653	7.6%	246,465	5.3%	2,128,509	46.0%	1,535,726	33.2%	4,623,131
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	570,058	6.7%	567,471	6.7%	976,564	11.5%	5,937,057	69.6%	474,040	5.6%	8,525,190
	2001	497,418	6.3%	302,445	3.8%	833,703	10.6%	6,217,977	79.0%	15,324	0.2%	7,866,867
	2002	830,554	14.0%	50,579	0.9%	68,365	1.2%	4,894,511	82.5%	86,431	1.5%	5,930,440
	2003	1,667,486	21.3%	70,796	0.9%	0	0.0%	6,039,314	77.1%	58,618	0.7%	7,836,214
	2004	545,119	14.5%	10,452	0.3%	0	0.0%	3,045,741	81.2%	151,193	4.0%	3,752,505
	2005	204,677	5.3%	129,100	3.3%	0	0.0%	3,414,403	87.6%	147,592	3.8%	3,895,772
	2006	1,078,003	19.4%	10,452	0.2%	0	0.0%	4,365,390	78.7%	92,134	1.7%	5,545,979
	2007	1,165,963	15.1%	163,721	2.1%	0	0.0%	6,368,046	82.4%	31,278	0.4%	7,729,008
	2008	928,009	16.9%	146,869	2.7%	259,176	4.7%	3,625,139	65.9%	539,607	9.8%	5,498,800
	2009	261,549	5.4%	86,269	1.8%	908,554	18.6%	3,590,653	73.6%	31,278	0.6%	4,878,303
	2010	600,443	17.3%	47,635	1.4%	129,631	3.7%	2,687,910	77.5%	584	0.0%	3,466,203
	2011	1,025,520	36.6%	323,028	11.5%		0.0%	1,440,165	51.3%	16,905	0.6%	2,805,618
	2012	281,123	9.4%	355,712	11.9%		0.0%	2,359,024	78.7%		0.0%	2,995,859
	2013	303,969	17.7%	26,946	1.6%		0.0%	1,387,015	80.7%		0.0%	1,717,930
	2014	1,603,452	52.9%		0.0%	245,000	8.1%	1,182,759	39.0%		0.0%	3,031,211
	All Yrs	14,108,307	13.0%	4,948,307	4.6%	4,959,080	4.6%	79,318,351	73.0%	5,371,563	4.9%	108,705,608
WG	1995	254	0.0%	9,591	0.5%	225,546	11.8%	1,082,155	56.7%	590,953	31.0%	1,908,499
	1996	36,754	1.1%	23,925	0.7%	0	0.0%	3,063,981	87.7%	368,889	10.6%	3,493,549
	1997	223,871	8.8%	140,894	5.6%	292,936	11.5%	1,879,344	74.1%	0	0.0%	2,537,045
	1998	83,194	4.1%	36,019	1.8%	0	0.0%	1,562,908	76.4%	364,617	17.8%	2,046,738
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	248,246	11.2%	10,340	0.5%	0	0.0%	1,894,400	85.2%	71,430	3.2%	2,224,416
	2001	427,931	7.4%	365,478	6.3%	583,439	10.1%	4,415,581	76.2%		0.0%	5,792,429
	2002	106,142	4.4%	790,956	32.7%	0	0.0%	1,518,260	62.9%	69	0.0%	2,415,427
	2003	208,365	7.7%	0	2.5%	0	0.0%	2,495,887	92.3%		0.0%	2,704,252
	2004	475,709	15.9%	66,965	2.2%	0	0.0%	2,445,689	81.8%		0.0%	2,988,363
	2005	71,430	2.1%	0	0.0%	0	0.0%	3,256,852	96.1%	60,613	1.8%	3,388,895
	2006	252,802	9.8%	0	0.0%	44,232	1.7%	2,272,992	88.4%		0.0%	2,570,026
	2007	834,638	17.6%	93,476	2.0%	0	0.0%	3,821,730	80.5%		0.0%	4,749,844
	2008	91,819	3.2%	232,128	8.1%	0	0.0%	2,548,893	88.7%		0.0%	2,872,840
	2009	18,799	0.3%	187,777	3.2%	346,345	6.0%	5,261,700	90.5%		0.0%	5,814,621
	2010	514,028	16.0%	0	0.0%	716,589	0.0%	1,982,534	61.7%	0	0.0%	3,213,151
	2011	5,705	0.3%	95	0.0%		0.0%	1,847,524	99.7%	0	0.0%	1,853,324
	2012	159,374	13.5%	26,228	2.2%		0.0%	998,273	84.3%	0	100.0%	1,183,875
	2013	206,268	17.6%	40,344	3.4%		0.0%	927,906	79.0%	0	200.0%	1,174,518
	2014	7,946	1.3%	32,844	5.2%	268,723	0.0%	323,575	51.1%	0	300.0%	633,088
	All Yrs	3,973,275	7.4%	2,057,060	3.8%	2,477,810	4.6%	43,600,184	81.4%	1,456,571	2.7%	53,564,900
BS	1995	26,852	2.7%	40,011	4.0%	0	0.0%	441,277	44.0%	495,387	49.4%	1,003,527
	1996	0	0.0%	0	0.0%	0	0.0%	1,521,914	99.7%	4,829	0.3%	1,526,743
	1997	0	0.0%	373,158	29.5%	278,181	22.0%	615,655	48.6%	0	0.0%	1,266,994
	1998	59,800	2.5%	270,210	11.5%	0	0.0%	1,814,490	77.3%	202,547	8.6%	2,347,047
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	29,379	1.3%	40,011	1.8%		0.0%	1,984,939	90.8%	132,845	6.1%	2,187,174
	2001	229,841	9.4%	331,941	13.6%	14,555	0.6%	1,870,411	76.4%		0.0%	2,446,748
	2002	46,306	1.9%	391,397	16.3%		0.0%	1,747,105	72.8%	215,748	9.0%	2,400,556
	2003	1,427	0.0%	0	0.0%	1,075,480	20.3%	4,219,535	79.7%	0	0.0%	5,296,442
	2004	0	0.0%	0	0.0%	845,995	47.9%	918,589	52.1%	0	0.0%	1,764,584
	2005	0	0.0%	0	0.0%	0	0.0%	1,580,750	100.0%	0	0.0%	1,580,750
	2006	289,294	23.2%	410,991	32.9%	0	0.0%	548,445	43.9%	0	0.0%	1,248,730

BS Cont.	2007	21,522	1.8%	195,791	16.1%	0	0.0%	999,437	82.1%	0	0.0%	1,216,750
	2008	0	0.0%	214,056	10.1%	0	0.0%	1,910,878	89.9%	0	0.0%	2,124,934
	2009	85,474	5.6%	578,586	38.2%	0	0.0%	851,684	56.2%	0	0.0%	1,515,744
	2010	274,077	6.3%	0	0.0%	0	0.0%	4,098,786	93.7%	0	0.0%	4,372,863
	2011	283,254	11.5%	0	0.0%	0	0.0%	2,173,933	88.5%	0	0.0%	2,457,187
	2012	308,442	37.4%	212,613	0.0%	1	100%	303,940	36.8%	0	0.0%	824,996
	2013	61,270	3.7%	351,406	0.0%	2	200%	1,153,035	70.2%	77,842	0.0%	1,643,555
	2014	42,546	6.1%	314,973	0.0%	3	300%	341,846	48.9%		0.0%	699,368
	All Yrs	1,759,484	4.6%	3,725,144	9.8%	2,214,217	5.8%	29,096,649	76.7%	1,129,198	3.0%	37,924,692
AL	1995	9,394	0.4%	68,492	3.2%	0	0.0%	1,560,483	72.8%	505,255	23.6%	2,143,624
	1996	0	0.0%	0	0.0%	437,367	21.2%	1,617,768	78.4%	7,575	0.4%	2,062,710
	1997	31,322	0.6%	108,048	2.2%	2,927	0.1%	4,774,879	97.1%	0	0.0%	4,917,176
	1998	180,463	7.1%	541,117	21.4%	0	0.0%	1,291,711	51.1%	513,484	20.3%	2,526,775
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	87,757	4.0%	997,392	45.3%	165,000	7.5%	621,722	28.2%	331,821	15.1%	2,203,692
	2001	0	0.0%	863,759	0.29114	0	0.0%	2,103,015	70.9%	0	0.0%	2,966,774
	2002	2,425,732	68.2%	598,360	16.8%	0	0.0%	532,317	15.0%	0	0.0%	3,556,409
	2003	93,294	2.3%	0	0.0%	0	0.0%	3,931,453	97.7%	0	0.0%	4,024,747
	2004	155,748	11.3%	0	0.0%	0	0.0%	1,220,717	88.7%	0	0.0%	1,376,465
	2005	119,314	2.0%	0	0.0%	0	0.0%	5,983,317	98.0%	0	0.0%	6,102,631
	2006	240,326	6.7%	1,728,859	48.1%	0	0.0%	1,626,491	45.2%	0	0.0%	3,595,676
	2007	0	0.0%	678,793	12.2%	0	0.0%	4,901,683	87.8%	0	0.0%	5,580,476
	2008	0	0.0%	1,100,968	40.2%	0	0.0%	1,640,832	59.8%	0	0.0%	2,741,800
	2009	0	0.0%	201,169	3.7%	0	0.0%	5,234,688	96.3%	0	0.0%	5,435,857
	2010	437,212	14.8%	235,826	8.0%	0	0.0%	2,042,924	69.2%	235,885	8.0%	2,951,847
	2011	2,446,943	51.2%	0	0.0%	0	0.0%	2,328,756	48.8%	0	0.0%	4,775,699
	2012		0.0%	1,343,252	24.4%		0.0%	3,816,533	69.4%	338,045	6.1%	5,497,830
	2013	81,967	9.4%	63,237	7.2%		0.0%	536,422	61.4%	192,461	22.0%	874,087
	2014		0.0%		0.0%	1,652,472	34.6%	3,129,930	65.4%		0.0%	4,782,402
	All Yrs	6,309,472	9.3%	8,529,272	12.5%	2,257,766	3.3%	48,895,641	71.8%	2,124,526	3.1%	68,116,677

“None” or “No relationship” was the most likely response in all areas. In all six management areas where permanent QS transfers occurred during the nineteen-year period, 60% or more of the QS transferred moved between persons indicating “no relationship.” In four of the management areas the nineteen -year average was over 80%.

The table should be read cautiously because many respondents did not answer, especially in 1995. What may appear to be a change in the QS transferred in a relationship category may in fact be due to a reduction in missing data in 1996 and 1997.

Table 5-3b provides similar summary data but focuses on the number of transfer transactions rather than on the amount of QS involved in the transactions.

**Table 5-3b. QS Transfer Transactions by Area, Year, Relationship of Transfer Parties, 1995 2014**

Area	Year	Between Family	Pct Family	Between Friends	Pct Friends	Between Partners	Pct Partners	No Relation	Pct No Relation	Missing Information	Pct Missing	Total Transfers
SE	1995	18	12	28	18.7	4	2.7	92	61.3	8	5.3	150
	1996	12	8.6	28	20	3	2.1	86	61.4	11	7.9	140
	1997	14	9.9	30	21.3	5	3.5	87	61.7	5	3.5	141
	1998	9	15	7	11.7	2	3.3	37	61.7	5	8.3	60
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	10	15.9%	5	7.9%	0	0.0%	45	71.4%	3	4.8%	63
	2001	5	10.4%	0	0.0%	1	2.1%	40	83.3%	2	4.2%	48
	2002	12	20.3%	4	6.8%	0	0.0%	42	71.2%	1	1.7%	59
	2003	15	18.1%	5	6.0%	0	0.0%	62	74.7%	1	1.2%	83
	2004	13	26.5%	0	0.0%	0	0.0%	36	73.5%	0	0.0%	49

SE Cont	2005	14	19.2%	1	1.4%	0	0.0%	57	78.1%	1	1.4%	73
	2006	7	13.0%	5	9.3%	0	0.0%	42	77.8%	0	0.0%	54
	2007	16	25.8%	4	6.5%	0	0.0%	42	67.7%	0	0.0%	62
	2008	10	21.7%	3	6.5%	1	2.2%	31	67.4%	1	2.2%	46
	2009	5	14.7%	1	2.9%	2	5.9%	26	76.5%	0	0.0%	34
	2010	6	16.2%	1	2.7%	0	0.0%	30	81.1%	0	0.0%	37
	2011	7	16.7%	5	11.9%	2	4.8%	27	64.3%	1	2.4%	42
	2012	10	33.3%	2	6.7%	1	3.3%	17	56.7%	0	0.0%	30
	2013	6	30.0%	2	10.0%	0	0.0%	12	60.0%	0	0.0%	20
	2014	15	29.4%	4	7.8%		0.0%	32		0	0.0%	51
	All Yrs	204	16.4%	135	10.9%	21	1.7%	843	67.9%	39	3.1%	1,242
WY	1995	11	15.5	9	12.7	1	1.4	39	54.9	11	15.5	71
	1996	9	10.5	10	11.6	3	3.5	57	66.3	7	8.1	86
	1997	15	14.6	22	21.4	6	5.8	59	57.3	1	1	103
	1998	6	14.3	9	21.4	0	0	23	54.8	4	9.5	42
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	6	11.3%	5	9.4%	0	0.0%	41	77.4%	1	1.9%	53
	2001	6	23.1%	4	15.4%	3	11.5%	13	50.0%	0	0.0%	26
	2002	5	17.2%	2	6.9%	5	17.2%	17	58.6%	0	0.0%	29
	2003	6	16.7%	2	5.6%	0	0.0%	28	77.8%	0	0.0%	36
	2004	5	23.8%		0.0%	0	0.0%	15	71.4%	1	4.8%	21
	2005		0.0%		0.0%	1	2.8%	35	97.2%	0	0.0%	36
	2006	3	13.0%	4	17.4%	0	0.0%	16	69.6%	0	0.0%	23
	2007	8	22.2%	0	0.0%	0	0.0%	28	77.8%	0	0.0%	36
	2008	8	24.2%	1	3.0%	1	3.0%	22	66.7%	1	3.0%	33
	2009	2	14.3%	0	0.0%	1	7.1%	11	78.6%	0	0.0%	14
	2010	1	7.1%	2	14.3%	1	7.1%	10	71.4%	0	0.0%	14
	2011	4	12.9%	3	9.7%	0	0.0%	24	77.4%	0	0.0%	31
	2012	3	30.0%	2	20.0%	0	0.0%	5	50.0%	0	0.0%	10
	2013	2	40.0%		0.0%	0	0.0%	3	60.0%	0	0.0%	5
	2014	1	6.7%		0.0%	0	0.0%	14	93.3%	0	0.0%	15
	All Yrs	101	14.8%	75	11.0%	22	3.2%	460	67.3%	26	3.8%	684
CG	1995	13	12.4	13	12.4	3	2.9	56	53.3	20	19	105
	1996	9	7.9	14	12.3	3	2.6	82	71.9	6	5.3	114
	1997	13	8.9	22	15.1	5	3.4	104	71.2	2	1.4	146
	1998	10	16.4	6	9.8	1	1.6	40	65.6	4	6.6	61
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	6	7.9%	9	11.8%	5	6.6%	51	67.1%	5	6.6%	76
	2001	8	15.7%	6	11.8%	6	11.8%	30	58.8%	1	2.0%	51
	2002	7	14.0%	2	4.0%	1	2.0%	38	76.0%	2	4.0%	50
	2003	15	16.7%	2	2.2%	0	0.0%	72	80.0%	1	1.1%	90
	2004	10	25.0%	1	2.5%	0	0.0%	27	67.5%	2	5.0%	40
	2005	6	10.7%	4	7.1%	0	0.0%	45	80.4%	1	1.8%	56
	2006	5	12.2%	1	2.4%	0	0.0%	34	82.9%	1	2.4%	41
	2007	5	8.8%	5	8.8%	0	0.0%	46	80.7%	1	1.8%	57
	2008	8	16.3%	5	10.2%	0	0.0%	34	69.4%	2	4.1%	49
	2009	4	13.8%	3	10.3%	0	0.0%	21	72.4%	1	3.4%	29
	2010	8	20.0%	2	5.0%	1	2.5%	28	70.0%	1	2.5%	40
	2011	10	29.4%	2	5.9%	0	0.0%	21	61.8%	1	2.9%	34
	2012	4	10.8%	3	8.1%		0.0%	30	81.1%	0	0.0%	37
	2013	9	27.3%	1	3.0%		0.0%	23	69.7%	0	0.0%	33
	2014	10	37.0%		0.0%		0.0%	17	63.0%	0	0.0%	27
	All Yrs	160	14.1%	101	8.9%	25	2.2%	799	70.3%	51	4.5%	1136
WG	1995	1	3.7	1	3.7	2	7.4	15	55.6	8	29.6	27
	1996	3	13	1	4.3	0	0	17	73.9	2	8.7	23
	1997	6	12.2	6	12.2	6	12.2	31	63.3	0	0	49
	1998	1	3.2	1	3.2	0	0	24	77.4	5	16.1	31
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	4	12.9%	1	3.2%	0	0.0%	25	80.6%	1	3.2%	31
	2001	8	17.0%	7	14.9%	2	4.3%	30	63.8%	0	0.0%	47
	2002	2	10.0%	6	30.0%	0	0.0%	11	55.0%	1	5.0%	20
	2003	5	23.8%		0.0%	0	0.0%	16	76.2%	0	0.0%	21

WG Cont.	2004	4	12.5%	1	3.1%	0	0.0%	26	81.3%	1	3.1%	32
	2005	1	5.0%	0	0.0%	0	0.0%	19	95.0%	0	0.0%	20
	2006	6	25.0%	0	0.0%	1	4.2%	17	70.8%	0	0.0%	24
	2007	8	20.5%	2	5.1%	0	0.0%	29	74.4%	0	0.0%	39
	2008	1	4.3%	3	13.0%	0	0.0%	19	82.6%	0	0.0%	23
	2009	1	4.3%	3	13.0%	2	8.7%	17	73.9%	0	0.0%	23
	2010	4	12.9%	0	0.0%	4	12.9%	23	74.2%	0	0.0%	31
	2011	1	4.8%	1	4.8%	0	0.0%	19	90.5%	0	0.0%	21
	2012	2	11.8%	3	17.6%	0	0.0%	12	70.6%	0	0.0%	17
	2013	4	30.8%	2	15.4%	0	0.0%	7	53.8%	0	0.0%	13
	2014	2	22.2%	1	11.1%	0	0.0%	6	66.7%	0	0.0%	9
	All Yrs	64	12.8%	39	7.8%	17	3.4%	363	72.5%	18	3.6%	501
BS	1995	1	7.7	1	7.7	0	0	7	53.8	4	30.8	13
	1996	0	0	0	0	0	0	7	87.5	1	12.5	8
	1997	0	0	3	30	2	20	5	50	0	0	10
	1998	1	12.5	1	12.5	0	0	5	62.5	1	12.5	8
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	1	5.6%	1	5.6%	0	0.0%	15	83.3%	1	5.6%	18
	2001	1	5.6%	4	22.2%	0	0.0%	11	61.1%	2	11.1%	18
	2002	1	7.7%	2	15.4%	0	0.0%	10	76.9%	0	0.0%	13
	2003	0	0.0%	0	0.0%	1	4.3%	22	95.7%	0	0.0%	23
	2004	0	0.0%	0	0.0%	1	12.5%	7	87.5%	0	0.0%	8
	2005	0	0.0%	0	0.0%	0	0.0%	14	100.0%	0	0.0%	14
	2006	2	16.7%	2	16.7%	0	0.0%	8	66.7%	0	0.0%	12
	2007	1	7.1%	2	14.3%	0	0.0%	11	78.6%	0	0.0%	14
	2008	0	0.0%	3	21.4%	0	0.0%	11	78.6%	0	0.0%	14
	2009	1	7.1%	3	21.4%	0	0.0%	10	71.4%	0	0.0%	14
	2010	3	14.3%	0	0.0%	0	0.0%	18	85.7%	0	0.0%	21
	2011	2	11.1%	0	0.0%	0	0.0%	16	88.9%	0	0.0%	18
	2012	2	22.2%	3	33.3%		0.0%	4	44.4%	0	0.0%	9
	2013	1	11.1%	3	33.3%	1	11.1%	4	44.4%	0	0.0%	9
	2014	1	20.0%	1	20.0%		0.0%	3	60.0%	0	0.0%	5
	All Yrs	18	7.2%	29	11.6%	5	2.0%	188	75.5%	9	3.6%	249
AL	1995	1	6.7	2	13.3	0	0	7	46.7	5	33.3	15
	1996	0	0	0	0	2	20	6	60	2	20	10
	1997	1	5.6	4	22.2	3	16.7	10	55.6	0	0	18
	1998	1	5.6	5	27.8	0	0	11	61.1	1	5.6	18
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	2	10.5%	3	15.8%	1	5.3%	12	63.2%	1	5.3%	19
	2001	0	0.0%	6	37.5%	0	0.0%	10	62.5%	0	0.0%	16
	2002	4	33.3%	4	33.3%	0	0.0%	4	33.3%	0	0.0%	12
	2003	1	9.1%		0.0%	0	0.0%	10	90.9%	0	0.0%	11
	2004	1	12.5%		0.0%	0	0.0%	7	87.5%	0	0.0%	8
	2005	1	7.1%		0.0%	0	0.0%	13	92.9%	0	0.0%	14
	2006	1	11.1%	3	33.3%	0	0.0%	5	55.6%	0	0.0%	9
	2007	3	18.8%	3	18.8%	0	0.0%	10	62.5%	0	0.0%	16
	2008	5	29.4%	5	29.4%	0	0.0%	7	41.2%	0	0.0%	17
	2009	4	20.0%	4	20.0%	0	0.0%	12	60.0%	0	0.0%	20
	2010	2	18.2%	0	0.0%	0	0.0%	8	72.7%	1	9.1%	11
	2011	3	21.4%	1	7.1%	0	0.0%	10	71.4%	0	0.0%	14
	2012		0.0%	4	23.5%		0.0%	12	70.6%	1	5.9%	17
	2013	1	10.0%	2	20.0%		0.0%	5	50.0%	2	20.0%	10
	2014	2	16.7%		0.0%		0.0%	10	83.3%	0	0.0%	12
	All Yrs	33	12.4%	46	17.2%	6	2.2%	169	63.3%	13	4.9%	267

The results are similar to those in Table 5-3a. In all areas over 60% of the nineteen -year transfers are between parties with “no relation.” In three of the six management areas the percentages for “no relation” are over 70%.

## 5.4 Use of Broker Services in Permanent QS Transfers

The transfer forms asked whether or not a broker was involved in the transfer. The tables in this section look at broker involvement in permanent transfers of QS. The next section looks at broker involvement in leases. These sections report the proportions of transfers and leases being facilitated by a broker.

Table 5-4a provides information on the use of brokers by year. The table provides data on the amount of QS transferred with the help of brokers in each year, and the percentage that amount represents of all of the QS transferred. The table also has data on the number of QS transfers involving a broker and the percentage those transfers represent of all QS transfers.

Brokers were involved in a large proportion of the permanent transfers each year. Table 5-4a shows that annual broker involvement ranged from 38.8% of the transactions in 1995 to 62.7% in 2014. The amount of QS transferred with the help of a broker ranged from 49.1% in 2014 to 72.3% in 1997.<sup>44</sup>

Table 5-4b is similar to Table 5-4a, except that it provides information on the use of brokers by management area as well as by year. The table provides data on the amount and percentage of QS transferred with the help of brokers. The table also provides data on the number of QS transfers involving a broker and the percentage those transfers represent of all QS transfers.

As can be seen, brokers were involved in a large proportion of the transactions in all areas and years. The lowest percentage of transactions conducted with the help of brokers was in the West Yakutat area in 1995, when only 23.2% of the transactions involved brokers. The highest level of broker involvement came in the West Yakutat area in 1997 when 80.1% of the transactions involved brokers.

Table 5-4c provides similar information on the use of brokers over all areas by vessel category and year.<sup>45</sup> Brokers were involved in large proportions of transactions in all vessel classes and years. The lowest percentage of transactions conducted with the help of brokers was for catcher vessels greater than 60 feet in 1995 (28%) while the highest level of broker involvement was for freezer vessels in 1996 (88.2%).

**Table 5-4 a. Use of Brokers in Sablefish QS Permanent Transfers, By Year**

Year	Was a Broker Used?	QS Transferred With Broker	Total Annual QS Transferred	Percent of annual QS transferred	Number of Transactions	Total Annual Transactions Per year	Percent of Annual Transactions
1995	No	12,168,638	22,065,416	55.1%	233	381	61.2%
	Yes	9,896,778	22,065,416	44.9%	148	381	38.8%
1996	No	7,479,488	26,120,387	28.6%	178	381	46.7%
	Yes	18,640,899	26,120,387	71.4%	203	381	53.3%
1997	No	8,139,802	29,352,033	27.7%	186	467	39.8%
	Yes	21,212,231	29,352,033	72.3%	281	467	60.2%
1998	No	8,844,525	17,060,632	51.8%	96	220	43.6%
	Yes	8,216,107	17,060,632	48.2%	124	220	56.4%
1999	No	NA	NA	NA	NA	NA	NA
	Yes						
2000	No	7,296,023	21,515,808	33.9%	89	264	33.7%
	Yes	14,219,785	21,515,808	66.1%	175	264	66.3%
2001	No	14,436,529	26,117,427	55.3%	94	208	45.2%
	Yes	11,680,898	26,117,427	44.7%	114	208	54.8%
2002	No	14,196,553	25,553,686	55.6%	95	196	48.5%
	Yes	11,357,133	25,553,686	44.4%	101	196	51.5%
2003	No	10,727,300	28,495,781	37.6%	106	283	37.5%
	Yes	17,768,481	28,495,781	62.4%	177	283	62.5%

<sup>44</sup>These figures are based on summing QS amounts and QS transfers across areas. Recall that QS units are not comparable across areas.

<sup>45</sup>The comment in the previous footnote applies to this table as well. These figures are based on a summation of QS amounts and QS transfers across areas. QS are not comparable across areas.

Year	Was a Broker Used?	QS Transferred With Broker	Total Annual QS Transferred	Percent of annual QS transferred	Number of Transactions	Total Annual Transactions Per year	Percent of Annual Transactions
2004	No	4,597,852	14,461,708	31.8%	57	157	36.3%
	Yes	9,863,856	14,461,708	68.2%	100	157	63.7%
2005	No	7,280,744	23,511,957	31.0%	84	222	37.8%
	Yes	16,231,213	23,511,957	69.0%	138	222	62.2%
2006	No	10,492,953	20,434,754	51.3%	91	169	53.8%
	Yes	9,941,801	20,434,754	48.7%	78	169	46.2%
2007	No	13,943,789	27,328,970	51.0%	95	225	42.2%
	Yes	13,385,181	27,328,970	49.0%	130	225	57.8%
2008	No	6,436,181	17,333,148	37.1%	81	179	45.3%
	Yes	10,896,967	17,333,148	62.9%	98	179	54.7%
2009	No	11,979,751	20,694,882	57.9%	72	135	53.3%
	Yes	8,715,131	20,694,882	42.1%	63	135	46.7%
2010	No	6,939,226	18,098,134	38.3%	62	160	38.8%
	Yes	11,158,908	18,098,134	61.7%	98	160	61.3%
2011	No	9,144,665	17,960,822	50.9%	63	169	37.3%
	Yes	8,816,157	17,960,822	49.1%	106	169	62.7%
2012	No	3,162,895	12,852,847	24.6%	42	120	35.0%
	Yes	9,689,952	12,852,847	75.4%	78	120	65.0%
2013	No	3,780,146	6,750,412	56.0%	49	93	52.7%
	Yes	2,970,266	6,750,412	44.0%	44	93	47.3%
2014	No	3,912,657	13,349,478	29.3%	46	121	38.0%
	Yes	9,436,821	13,349,478	70.7%	75	121	62.0%

Broker usage rates are calculated over all sablefish areas. However, the QS for different areas are not equivalent with respect to current year IFQ associated with the QS. Therefore, rates calculated across areas in current-year equivalents would be different than the rates shown here.

**Table 5-4b. Use of Brokers in Sablefish QS Permanent Transfers, By Area and Year**

Area	Year	Broker Used?	Transferred With Broker?	Annual QS Transferred	Annual QS Transferred	Transactions With Broker?	Total Annual Transactions	Annual Transactions
SE	1995	No	3,408,792	5,897,820	36.3%	88	150	34.9%
		Yes	2,489,028	5,897,820	63.7%	62	150	65.1%
	1996	No	2,709,528	5,784,397	36.3%	72	140	34.9%
		Yes	3,074,869	5,784,397	63.7%	68	140	65.1%
	1997	No	2,609,349	5,115,313	36.3%	63	141	34.9%
		Yes	2,505,964	5,115,313	63.7%	78	141	65.1%
	1998	No	1,905,506	3,403,226	36.3%	28	60	34.9%
		Yes	1,497,720	3,403,226	63.7%	32	60	65.1%
	1999	No	NA					
		Yes	NA					
	2000	No	1,464,540	3,357,915	43.6%	22	63	34.9%
		Yes	1,893,375	3,357,915	56.4%	41	63	65.1%
	2001	No	872,269	2,769,929	31.5%	13	48	27.1%
		Yes	1,897,660	2,769,929	68.5%	35	48	72.9%
	2002	No	2,821,261	5,910,683	47.7%	25	64	39.1%
		Yes	3,089,422	5,910,683	52.3%	39	64	60.9%
	2003	No	2,861,413	5,665,033	50.5%	40	90	44.4%
		Yes	2,803,620	5,665,033	49.5%	50	90	55.6%
	2004	No	1,931,856	3,412,202	56.6%	22	49	44.9%
		Yes	1,480,346	3,412,202	43.4%	27	49	55.1%

Area	Year	Broker Used?	Transferred With Broker?	Annual QS Transferred	Annual QS Transferred	Transactions With Broker?	Total Annual Transactions	Annual Transactions
SE Cont.	2005	No	3,805,071	5,736,927	66.3%	32	80	40.0%
		Yes	1,931,856	5,736,927	33.7%	48	80	60.0%
	2006	No	2,083,612	4,477,062	46.5%	21	54	38.9%
		Yes	2,393,450	4,477,062	53.5%	33	54	61.1%
	2007	No	1,982,943	3,634,442	54.6%	28	64	43.8%
		Yes	1,651,499	3,634,442	45.4%	36	64	56.3%
	2008	No	1,627,356	2,649,515	61.4%	25	47	53.2%
		Yes	1,022,159	2,649,515	38.6%	22	47	46.8%
	2009	No	1,647,321	2,216,524	74.3%	20	35	57.1%
		Yes	569,203	2,216,524	25.7%	15	35	42.9%
	2010	No	1,464,895	2,544,977	57.6%	16	39	41.0%
		Yes	1,080,082	2,544,977	42.4%	23	39	59.0%
	2011	No	1,485,122	2,429,152	61.1%	21	44	47.7%
		Yes	944,030	2,429,152	38.9%	23	44	52.3%
	2012	No	620,059	1,787,156	34.7%	16	30	53.3%
		Yes	1,167,097	1,787,156	65.3%	14	30	46.7%
	2013	No	590,992	1,008,558	58.6%	10	21	47.6%
		Yes	417,566	1,008,558	41.4%	11	21	52.4%
	2014	No	999,564	2,973,842	33.6%	20	51	39.2%
		Yes	1,974,278	2,973,842	66.4%	31	51	60.8%
WY	1995	No	2,042,961	3,278,470	36.3%	46	71	64.8%
		Yes	1,235,509	3,278,470	63.7%	25	71	35.2%
	1996	No	1,204,091	3,851,410	36.3%	40	86	34.9%
		Yes	2,647,319	3,851,410	63.7%	46	86	65.1%
	1997	No	714,761	4,143,981	36.3%	43	103	34.9%
		Yes	3,429,220	4,143,981	63.7%	60	103	65.1%
	1998	No	819,217	2,113,715	36.3%	21	42	34.9%
		Yes	1,294,498	2,113,715	63.7%	21	42	65.1%
	1999	No	NA					
		Yes	NA					
	2000	No	2,292,700	2,998,808	76.5%	19	53	35.8%
		Yes	706,108	2,998,808	23.5%	34	53	64.2%
	2001	No	698,812	1,250,438	55.9%	13	26	50.0%
		Yes	551,626	1,250,438	44.1%	13	26	50.0%
	2002	No	1,502,070	2,714,290	55.3%	13	29	44.8%
		Yes	1,212,220	2,714,290	44.7%	16	29	55.2%
	2003	No	1,827,869	2,796,395	65.4%	13	39	33.3%
		Yes	968,526	2,796,395	34.6%	26	39	66.7%
	2004	No	402,039	952,728	42.2%	10	21	47.6%
		Yes	550,689	952,728	57.8%	11	21	52.4%

Area	Year	Broker Used?	Transferred With Broker?	Annual QS Transferred	Annual QS Transferred	Transactions With Broker?	Total Annual Transactions	Annual Transactions
WY Cont.	2005	No	1,522,704	2,288,254	66.5%	12	36	33.3%
		Yes	765,550	2,288,254	33.5%	24	36	66.7%
	2006	No	534,710	1,318,917	40.5%	14	24	58.3%
		Yes	784,207	1,318,917	59.5%	10	24	41.7%
	2007	No	1,129,463	3,897,266	29.0%	16	33	48.5%
		Yes	2,767,803	3,897,266	71.0%	17	33	51.5%
	2008	No	892,693	1,445,259	61.8%	16	33	48.5%
		Yes	552,566	1,445,259	38.2%	17	33	51.5%
	2009	No	658,370	833,833	79.0%	9	14	64.3%
		Yes	175,463	833,833	21.0%	5	14	35.7%
	2010	No	144,897	634,358	22.8%	5	14	35.7%
		Yes	489,461	634,358	77.2%	9	14	64.3%
	2011	No	880,881	2,401,878	36.7%	10	33	30.3%
		Yes	1,520,997	2,401,878	63.3%	23	33	69.7%
	2012	No	262,141	563,132	46.6%	6	10	60.0%
		Yes	300,991	563,132	53.4%	4	10	40.0%
	2013	No	78,105	80,224	97.4%	3	5	60.0%
		Yes	2,119	80,224	2.6%	2	5	40.0%
	2014	No	422,457	1,229,570	34.4%	1	15	6.7%
		Yes	807,113	1,229,570	65.6%	14	15	93.3%
CG	1995	No	3,870,378	7,833,476	36.3%	60	105	34.9%
		Yes	3,963,098	7,833,476	63.7%	45	105	65.1%
	1996	No	2,338,777	9,401,578	36.3%	48	114	34.9%
		Yes	7,062,801	9,401,578	63.7%	66	114	65.1%
	1997	No	3,074,572	11,371,524	36.3%	49	146	34.9%
		Yes	8,296,952	11,371,524	63.7%	97	146	65.1%
	1998	No	2,334,392	4,623,131	36.3%	26	61	34.9%
		Yes	2,288,739	4,623,131	63.7%	35	61	65.1%
	1999	No	NA					
		Yes	NA					
	2000	No	2,364,070	8,526,477	27.7%	29	77	37.7%
		Yes	6,162,407	8,526,477	72.3%	48	77	62.3%
	2001	No	6,927,799	9,709,804	71.3%	25	53	47.2%
		Yes	2,782,005	9,709,804	28.7%	28	53	52.8%
	2002	No	3,927,735	7,673,777	51.2%	22	51	43.1%
		Yes	3,746,042	7,673,777	48.8%	29	51	56.9%
	2003	No	2,974,098	7,987,054	37.2%	36	92	39.1%
		Yes	5,012,956	7,987,054	62.8%	56	92	60.9%
	2004	No	1,391,930	3,752,505	37.1%	18	40	45.0%
		Yes	2,360,575	3,752,505	62.9%	22	40	55.0%
	2005	No	1,098,483	3,934,249	27.9%	24	57	42.1%

Area	Year	Broker Used?	Transferred With Broker?	Annual QS Transferred	Annual QS Transferred	Transactions With Broker?	Total Annual Transactions	Annual Transactions
CG Cont.		Yes	2,835,766	3,934,249	72.1%	33	57	57.9%
	2006	No	4,004,335	7,289,316	54.9%	15	42	35.7%
		Yes	3,284,981	7,289,316	45.1%	27	42	64.3%
	2007	No	4,665,452	8,250,192	56.5%	26	58	44.8%
		Yes	3,584,740	8,250,192	43.5%	32	58	55.2%
	2008	No	1,985,999	5,498,800	36.1%	19	50	38.0%
		Yes	3,512,801	5,498,800	63.9%	31	50	62.0%
	2009	No	3,786,376	4,878,303	77.6%	16	33	48.5%
		Yes	1,091,927	4,878,303	22.4%	17	33	51.5%
	2010	No	1,265,427	3,466,203	36.5%	16	40	40.0%
		Yes	2,200,776	3,466,203	63.5%	24	40	60.0%
	2011	No	1,458,785	2,912,023	50.1%	13	37	35.1%
		Yes	1,453,238	2,912,023	49.9%	24	37	64.9%
	2012	No	652,741	2,995,859	21.8%	7	37	18.9%
		Yes	2,343,118	2,995,859	78.2%	30	37	81.1%
	2013	No	726,261	1,717,930	42.3%	16	33	48.5%
		Yes	991,669	1,717,930	57.7%	17	33	51.5%
	2014	No	1,691,795	3,031,211	55.8%	13	28	46.4%
		Yes	1,339,416	3,031,211	44.2%	15	28	53.6%
WG	1995	No	1,069,258	1,908,499	36.3%	18	27	34.9%
		Yes	839,241	1,908,499	63.7%	9	27	65.1%
	1996	No	507,022	3,493,549	36.3%	10	23	34.9%
		Yes	2,986,527	3,493,549	63.7%	13	23	65.1%
	1997	No	599,021	2,537,045	36.3%	17	49	34.9%
		Yes	1,938,024	2,537,045	63.7%	32	49	65.1%
	1998	No	656,771	2,046,738	36.3%	10	31	34.9%
		Yes	1,389,967	2,046,738	63.7%	21	31	65.1%
	1999	No	NA					
		Yes	NA					
	2000	No	2,044,643	3,298,808	62.0%	3	31	9.7%
		Yes	1,254,165	3,298,808	38.0%	28	31	90.3%
	2001	No	2,849,355	3,029,128	94.1%	25	47	53.2%
		Yes	179,773	3,029,128	5.9%	22	47	46.8%
	2002	No	1,165,009	4,108,083	28.4%	16	23	69.6%
		Yes	2,943,074	4,108,083	71.6%	7	23	30.4%
	2003	No	2,030,476	3,871,866	52.4%	11	25	44.0%
		Yes	1,841,390	3,871,866	47.6%	14	25	56.0%
	2004	No	2,681,363	3,673,672	73.0%	5	31	16.1%
		Yes	992,309	3,673,672	27.0%	26	31	83.9%

Area	Year	Broker Used?	Transferred With Broker?	Annual QS Transferred	Annual QS Transferred	Transactions With Broker?	Total Annual Transactions	Annual Transactions
WG Cont.	2005	No	3,178,273	3,485,273	91.2%	4	21	19.0%
		Yes	307,000	3,485,273	8.8%	17	21	81.0%
	2006	No	2,085,912	2,296,534	90.8%	13	26	50.0%
		Yes	210,622	2,296,534	9.2%	13	26	50.0%
	2007	No	1,282,008	4,749,844	27.0%	12	39	30.8%
		Yes	3,467,836	4,749,844	73.0%	27	39	69.2%
	2008	No	781,324	2,872,840	27.2%	9	23	39.1%
		Yes	2,091,516	2,872,840	72.8%	14	23	60.9%
	2009	No	4,653,353	5,814,621	80.0%	10	23	43.5%
		Yes	1,161,268	5,814,621	20.0%	13	23	56.5%
	2010	No	1,608,981	3,311,012	48.6%	15	32	46.9%
		Yes	1,702,031	3,311,012	51.4%	17	32	53.1%
	2011	No	921,077	1,911,138	48.2%	7	22	31.8%
		Yes	990,061	1,911,138	51.8%	15	22	68.2%
	2012	No	263,373	1,183,875	22.2%	6	17	35.3%
		Yes	920,502	1,183,875	77.8%	11	17	64.7%
	2013	No	498,154	1,426,060	34.9%	8	15	53.3%
		Yes	927,906	1,426,060	65.1%	7	15	46.7%
	2014	No	309,513	633,088	48.9%	4	10	40.0%
		Yes	323,575	633,088	51.1%	6	10	60.0%
BS	1995	No	798,155	1,003,527	36.3%	9	13	34.9%
		Yes	205,372	1,003,527	63.7%	4	13	65.1%
	1996	No	267,685	1,526,743	36.3%	3	8	34.9%
		Yes	1,259,058	1,526,743	63.7%	5	8	65.1%
	1997	No	292,621	1,266,994	36.3%	3	10	34.9%
		Yes	974,373	1,266,994	63.7%	7	10	65.1%
	1998	No	2,234,875	2,347,047	36.3%	5	8	34.9%
		Yes	112,172	2,347,047	63.7%	3	8	65.1%
	1999	No	NA					
		Yes	NA					
	2000	No	793,956	2,187,174	36.3%	4	19	21.1%
		Yes	1,393,218	2,187,174	63.7%	15	19	78.9%
	2001	No	662,079	2,446,748	27.1%	8	17	47.1%
		Yes	1,784,669	2,446,748	72.9%	9	17	52.9%
	2002	No	1,003,457	2,415,111	41.5%	8	15	53.3%
		Yes	1,411,654	2,415,111	58.5%	7	15	46.7%
	2003	No	1,198,069	5,417,604	22.1%	4	26	15.4%
		Yes	4,219,535	5,417,604	77.9%	22	26	84.6%
	2004	No	0	1,764,584		0	8	0.0%
		Yes	1,764,584	1,764,584	100.0%	8	8	100.0%

Area	Year	Broker Used?	Transferred With Broker?	Annual QS Transferred	Annual QS Transferred	Transactions With Broker?	Total Annual Transactions	Annual Transactions
BS Cont.	2005	No	300,514	1,580,750	19.0%	5	14	35.7%
		Yes	1,280,236	1,580,750	81.0%	9	14	64.3%
	2006	No	843,372	1,263,285	66.8%	8	13	61.5%
		Yes	419,913	1,263,285	33.2%	5	13	38.5%
	2007	No	436,480	1,216,750	35.9%	7	14	50.0%
		Yes	780,270	1,216,750	64.1%	7	14	50.0%
	2008	No	240,239	2,124,934	11.3%	5	14	35.7%
		Yes	1,884,695	2,124,934	88.7%	9	14	64.3%
	2009	No	882,062	1,515,744	58.2%	11	14	78.6%
		Yes	633,682	1,515,744	41.8%	3	14	21.4%
	2010	No	1,534,108	5,189,737	29.6%	5	23	21.7%
		Yes	3,655,629	5,189,737	70.4%	18	23	78.3%
	2011	No	962,568	2,587,411	37.2%	7	19	36.8%
		Yes	1,624,843	2,587,411	62.8%	12	19	63.2%
	2012	No	369,908	824,995	44.8%	4	9	44.4%
		Yes	455,087	824,995	55.2%	5	9	55.6%
	2013	No	1,597,247	1,643,553	97.2%	8	9	88.9%
		Yes	46,306	1,643,553	2.8%	1	9	11.1%
	2014	No	174,548	699,365	25.0%	2	5	40.0%
		Yes	524,817	699,365	75.0%	3	5	60.0%
AL	1995	No	979,094	2,143,624	45.7%	12	15	34.9%
		Yes	1,164,530	2,143,624	54.3%	3	15	65.1%
	1996	No	452,385	2,062,710	21.9%	5	10	34.9%
		Yes	1,610,325	2,062,710	78.1%	5	10	65.1%
	1997	No	849,478	4,917,176	17.3%	11	18	34.9%
		Yes	4,067,698	4,917,176	82.7%	7	18	65.1%
	1998	No	893,764	4,917,176	18.2%	6	18	34.9%
		Yes	1,633,011	4,917,176	33.2%	12	18	65.1%
	1999	No	NA					
		Yes	NA					
	2000	No	1,942,058	2,375,500	81.8%	12	21	57.1%
		Yes	433,442	2,375,500	18.2%	9	21	42.9%
	2001	No	1,819,088	3,487,485	52.2%	10	17	58.8%
		Yes	1,668,397	3,487,485	47.8%	7	17	41.2%
	2002	No	3,634,184	4,077,120	89.1%	11	14	78.6%
		Yes	442,936	4,077,120	10.9%	3	14	21.4%
	2003	No	2,150,722	4,024,747	53.4%	2	11	18.2%
		Yes	1,874,025	4,024,747	46.6%	9	11	81.8%
	2004	No	201,516	1,376,465	14.6%	2	8	25.0%
		Yes	1,174,949	1,376,465	85.4%	6	8	75.0%
	2005	No	2,493,468	6,102,631	40.9%	7	14	50.0%

Area	Year	Broker Used?	Transferred With Broker?	Annual QS Transferred	Annual QS Transferred	Transactions With Broker?	Total Annual Transactions	Annual Transactions
		Yes	3,609,163	6,102,631	59.1%	7	14	50.0%
	2006	No	2,583,714	4,116,387	62.8%	7	10	70.0%
		Yes	1,532,673	4,116,387	37.2%	3	10	30.0%
	2007	No	4,447,443	5,580,476	79.7%	8	13	61.5%
		Yes	1,133,033	5,580,476	20.3%	5	13	38.5%
	2008	No	908,570	2,741,800	33.1%	7	12	58.3%
		Yes	1,833,230	2,741,800	66.9%	5	12	41.7%
	2009	No	352,269	5,435,857	6.5%	6	16	37.5%
		Yes	5,083,588	5,435,857	93.5%	10	16	62.5%
	2010	No	920,918	2,951,847	31.2%	7	12	58.3%
		Yes	2,030,929	2,951,847	68.8%	5	12	41.7%
	2011	No	3,436,232	5,719,220	60.1%	5	14	35.7%
		Yes	2,282,988	5,719,220	39.9%	9	14	64.3%
	2012	No	994,673	5,497,830	18.1%	3	17	17.6%
		Yes	4,503,157	5,497,830	81.9%	14	17	82.4%
	2013	No	289,387	874,087	33.1%	4	10	40.0%
		Yes	584,700	874,087	66.9%	6	10	60.0%
	2014	No	314,780	4,782,402	6.6%	6	12	50.0%
		Yes	4,467,622	4,782,402	93.4%	6	12	50.0%

As can be seen, brokers were involved in a large proportion of the lease transactions in most areas and years. The lowest percentage of leases conducted with the help of brokers was in the Central Gulf in 2013, when 0.0% of the lease transactions involved brokers. The highest level of broker involvement came in the Western Gulf in 1996 when 100% of the leases involved brokers

## 5.5 Use of Broker Services in Lease Transfers

Table 5-5a shows the extent to which brokers helped arrange leases of QS by year. In this table QS and transfers are summed across all management areas.<sup>46</sup> Data are provided on the amount of QS leased with broker help in each year, the percent of all QS leased that was leased with broker assistance, the number of leases in which brokers helped, and the percent of all leases assisted by brokers.<sup>47</sup>

Brokers helped arrange large proportions of the leases in each year. They were involved with no leases in 2013 and a high of 56.0% in 1997. Leases arranged by brokers accounted for none of the total QS leased in 2011 and a high of 74.6% of the QS leased in 1997.

**Table 5-5a. Use of Brokers in Sablefish QS Leases, By Year**

<sup>44</sup> These figures are based on summing QS amounts and QS transfers across areas. Recall that QS units are not comparable across areas.

<sup>45</sup> This report uses the QS amounts shown in lease transactions on NMFS-RAM computerized files. In a few cases, these transactions appear to be in error with respect to the actual amount of QS leased relative to the IFQ involved. For that reason, the QS lease rates shown herein may be slight overestimates.

Year	Was Lease Brokered ?	QS Leased	Total Annual QS Leased	Percent of Annual QS Leased	Number of Leases	Total Annual Leases	Percent of Annual Leases
1995	No	8,753,538	17,221,961	50.8%	50	77	64.9%
	Yes	8,468,423	17,221,961	49.2%	27	77	35.1%
1996	No	3,083,823	11,299,983	27.3%	33	51	64.7%
	Yes	8,216,160	11,299,983	72.7%	18	51	35.3%
1997	No	3,307,521	13,011,461	25.4%	22	50	44.0%
	Yes	9,703,940	13,011,461	74.6%	28	50	56.0%
1998	No	8,504,242	12,973,226	65.6%	29	57	50.9%
	Yes	4,468,984	12,973,226	34.4%	28	57	49.1%
1999	No	NA	NA	NA	NA	NA	NA
	Yes						
2000	No	12,551,388	14,689,409	85.4%	59	79	74.7%
	Yes	2,138,021	14,689,409	14.6%	20	79	25.3
2001	No	11,886,689	12,939,294	91.9%	59	67	88.1%
	Yes	1,052,605	12,939,294	8.1%	8	67	11.9%
2002	No	11,001,336	11,391,036	96.6%	52	60	86.7%
	Yes	389,700	11,391,036	3.4%	8	60	13.3%
2003	No	15,531,930	15,822,110	98.2%	52	56	92.9%
	Yes	290,180	15,822,110	1.8%	4	56	7.1%
2004	No	9,533,997	9,832,648	97.0%	41	47	87.2%
	Yes	298,651	9,832,648	3.0%	6	47	12.8%
2005	No	7,694,785	7,922,408	97.1%	33	35	94.3%
	Yes	227,623	7,922,408	2.9%	2	35	5.7%
2006	No	5,223,383	5,554,381	94.0%	32	35	91.4%
	Yes	330,998	5,554,381	6.0%	3	35	8.6%
2007	No	5,989,340	6,103,711	98.1%	32	34	94.1%
	Yes	114,371	6,103,711	1.9%	2	34	5.9%
2008	No	8,067,471	8,425,322	95.8%	44	47	93.6%
	Yes	357,851	8,425,322	4.2%	3	47	6.4%
2009	No	8,731,814	9,074,746	96.2%	51	52	98.1%
	Yes	342,932	9,074,746	3.8%	1	52	1.9%
2010	No	8,802,296	8,917,157	98.7%	46	50	92.0%
	Yes	114,861	8,917,157	1.3%	4	50	8.0%
2011	No	8,194,789	8,194,789	100.0%	47	47	100.0%
	Yes	-	8,194,789	0.0%	0	47	0.0%
2012	No	9,387,813	9,553,509	98.3%	44	45	97.8%
	Yes	165,696	9,553,509	1.7%	1	45	2.2%
2013	No	9,580,140	9,580,140	100.0%	54	54	100.0%
	Yes		9,580,140	0.0%	0	54	0.0%
2014	No	9,592,422	9,823,865	97.6%	54	57	94.7%
	Yes	231,443	9,823,865	2.4%	3	57	5.3%

QS were added across management areas to prepare this table. Since the pounds of IFQ per QS unit can vary across management areas and between years, the QS percentages reported in this table may be different from the IFQ equivalent percentages.

## 6 Sablefish, “Sweep-ups” of Small QS Blocks

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The sablefish IFQ program rules created non-severable “blocks” of QS. Blocks cannot be broken up when they are transferred; meaning all the QS in a block has to be sold or passed on to another person as a single unit. Persons received their QS in a block at initial allocation if their QS would have resulted in less than 20,000 pounds of sablefish IFQ, given 1994 TACs.

<sup>46</sup>

Under the blocking rules, a person can hold a maximum of two blocks in an IFQ area, and a person with two blocks cannot hold any unblocked QS. However, the regulations also allow persons to combine, or “sweep-up,” more than two blocks into a single block if their combined total is worth less than 5,000 pounds of a hypothetical sablefish IFQ.<sup>47</sup>

The sweep-up provisions were added because many of the issued QS blocks were very small and in some cases probably too small to make a fishing trip worthwhile.

Originally, the sweep-up limit was set at 3,000 pounds of a hypothetical IFQ. In April 1996 the NPFMC amended the IFQ program rules to increase the sweep-up limit to 5,000 pounds. This amendment became effective in December, 1996 and therefore did not have a substantial effect on sweep-up transactions during the 1995 and 1996 seasons. The tables in this section reflect only the current rules for sweep-ups.

### 6.1 Changes in Sweepable QS Blocks

Table 6-1 provides data on the number of persons holding sweepable QS blocks, the number of sweepable QS blocks, and the total amount of sweepable QS in an area. Data are shown for both initial issuance and year-end 2014.

Administrative QS revocations are the only actions that should reduce the amount of sweepable QS in an area after initial issuance. However, administrative errors were recorded in the NMFS-RAM database, and these errors have resulted in minor changes to the amount of sweepable QS that cannot be explained by revocations. Other changes in the data are the result of NMFS-RAM applying corrections during 1996 and 1997 so that QS units formerly issued as unblocked became blocked.

Although the amount of sweepable QS should not change significantly after initial issuance, the number of sweepable blocks should decrease as they are combined, or swept-up, into a smaller number of larger blocks.

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<sup>46</sup> See 50 CFR 679.40(a). The 20,000 pounds is actually a hypothetical IFQ based on 1994 TACs and the amount of QS in the QS pool on October 17, 1994. The sablefish QS equivalent calculated for this blocking limit is worth different annual amounts of IFQ as TACs and QS pools change.

<sup>47</sup> This regulation is incorporated into 50 CFR 679.41(e)(2). The 5,000 pounds of hypothetical IFQ was based upon 1996 TACs and (QS pool as of January 31, 1996). The regulation translates the rule into a specific amount of QS units for each sablefish area.

Table 6-1 indicates that in all areas there were substantial numbers of persons holding sweepable QS blocks at both initial issuance and year-end 2014. By the end of 2014, the number of sweepable blocks and the number of persons who held them had declined in each area. The percentage decrease in the number of persons who held sweepable QS blocks ranged from 21.0% in the Bering Sea to 42.4% in West Yakutat. The percentage decreases in the number of sweepable blocks were slightly less.

## **6.2 Sweep-up Transactions**

Table 6-2 provides summary information on the sweep-up transactions by area and year. The table shows the total number of transfers and the unique number of transferors and transfer recipients. The table also indicates the amount of QS in the transfers and pounds of sablefish IFQ represented by the average QS transferred.

An oddity of the RAM database is that persons must first hold QS before they can execute a sweep-up transaction. Therefore, if a person holds no QS but purchases and sweeps together one or more blocks, the first transaction is recorded as a “transfer” and not a “sweep-up.” Subsequent transactions associated with the entire sweep-up are entered individually as sweep-up transactions. Therefore for some persons, the data in Table 6-2 do not show the transfer of the first block in the sweep-up. If a person already held a block of sweepable QS, then the purchase of additional blocks to combine in the sweep-up would be recorded as sweep-up transactions.

Sweep-up transactions have occurred in all areas, but principally in Southeast, West Yakutat and the Central Gulf. There were many more sweep-up transactions in each of these areas in 1997 than there were in either 1995 or 1996. The total number of transfers, the total amount of QS in the transfers, and the average amounts of QS transferred are all much higher in 1997. This may be related to the higher sweep-up limits set by the Council that went into effect in December, 1996. However, sweep-ups declined sharply in 1998.

Table 6-2 also indicates that in 1995 and 1996 the number of buyers was similar to the number of sellers in Southeast, West Yakutat, and the Central Gulf, indicating that most sweep-up transactions involved a sweep-up of only one or two blocks. However, in 1997 the numbers of transfer recipients was considerably smaller than the numbers of transferors, indicating that individuals were sweeping up more QS blocks. Again, this may be related to the higher sweep-up limits that went into effect in late 1996.

A comparison with between Table 6-1 and 6- 2 shows that the amount of sweepable QS in these transactions was quite small relative to the total amount of sweepable QS available in each area. For example, in Southeast in 2001, 40,599 QS units were swept-up. This represents only 2.7% of the total 2001 sweepable QS in the area. However,

where the 1997 percentages of swept-up QS represent a large increase over previous years, there was a sharp decline in the number of sweep-ups thru 2014.

### **6.3 Sweepable QS Relative to Total QS**

Table 6-3 shows the total amount of QS in each area at the end of 2014 and compares it to the year-end 2014 amounts of blocked QS and sweepable blocked QS. Similarly, it also compares the year-end 2014 total number of QS holders to the number of persons who held blocked QS and the number who held sweepable blocked QS.

As was also shown in Tables 6-1a, the percentage of persons who held blocked QS was high in all areas, ranging from 90% in Southeast to 93.8% in the Aleutians.

In contrast, the percentage of total QS that was sweepable was quite small in all areas, ranging from 2.7% of the total QS in the Central Gulf to 15.3% in the Bering Sea. Although sweepable QS may have represented a fairly small percentage of each area's total QS pool, a considerable number of persons held sweepable QS. For example, 50.2% of the total QS holders in the Central Gulf held sweepable QS at the end of 2014, yet their sweepable holdings represented only 2.7% of the total QS pool in that area. The Bering Sea shows the highest percentage of QS holders who held sweepable QS, with 68.1%.

### **6.4 Summary**

The Council provided a sweep-up provision for small blocks of sablefish QS because many small blocks of QS were initially issued under the IFQ program and many of these blocks were probably not worthwhile to fish. It was hoped that the sweep-up provision would allow such blocks to be combined into fishable blocks of QS. Sweepable QS blocks represent a relatively small portion of the total QS in each area but a relatively large percentage of the QS holders in each area have them.

In December 1996 a revised sweep-up limit became effective, raising the sweep-up limit from 3,000 pounds to 5,000 pounds of a hypothetical sablefish IFQ. Very few sweep-up transactions occurred in 1995 and 1996, but in 1997 the number of transactions increased substantially. This increase may have been related to the new sweep-up limit. However, the number of sweep-ups declined sharply in 2014.

**Table 6-1. Persons Holding Sweepable Sablefish QS Blocks, Number of Sweepable Blocks, and Total Sweepable QS Holdings  
At Initial Issue and Year-end 2014**

Area	Initial Persons Holding Sweepable QS	2014 Persons Holding Sweepable QS	Change in Persons Holding Sweepable QS	Initial Number of Sweepable Blocks	2014 Number of Sweepable Blocks	Change in Sweepable Blocks	Initial Amount of Sweepable QS	2014 Amount of Sweepable QS	Change in Sweepable QS
Southeast	261	236	-25	265	207	-58	2,702,656	2,701,767	-889
W. Yakutat	210	145	-65	210	161	-49	2,688,648	2,735,752	47,104
C. Gulf	322	212	-110	325	266	-59	3,116,978	3,064,147	-52,831
W. Gulf	76	96	20	78	71	-7	1,384,506	1,353,366	-31,140
Bering Sea	100	91	-9	100	92	-8	2,898,464	2,850,870	-47,594
Aleutians	82	59	-23	82	76	-6	2,568,038	2,568,038	0

**Table 6-2. Number of Transferors and Recipients of Sweep-up Transactions, With Mean QS of Sweep-ups, By Area (click to download below)**

Area	Year	Official Ratio of QS/IFQ	Number of Sweep- up Transfers	Total QS Swept- Up	Total Unique Transferors	Average QS Transferred	Avg. QS Transferred Expressed As IFQ	Total Unique Recipients	Average QS Received QS	Avg. QS Received Expressed As IFQ
Southeast	1995	5.3	10	10,288	10	1,029	195	7	1,470	279
	1996	6.7	8	17,972	8	2,247	338	7	2,567	386
	1997	8.2	23	241,305	21	11,491	1,401	15	16,087	1,961
	1998	8.6	11	73,070	10	7,307	851	8	9,134	1,064
	1999	9.4	NA	NA	NA	NA	NA	NA	NA	NA
	2000	8.4	4	19,874	2	9,937	1,179	3	6,625	786
	2001	8.9	8	40,599	6	6,767	759	6	6,767	759
	2002	9.3	4	33,063	4	8,266	886	4	8,266	886
	2003	8.4	5	27,448	3	9,149	1,087	5	5,490	652
	2004	8	3	15,074	3	5,025	631	3	5,025	631
	2005	8.4	5	35,661	4	8,915	1,061	5	7,132	849
	2006	8.5	2	9,163	2	4,582	538	2	4,582	538
	2007	8.9	5	26,655	4	6,664	750	4	0	0
	2008	9.3	4	8,286	3	2,762	297	4	2,072	223
	2009	10.9	4	33,944	3	11,315	1,036	4	8,486	777
	2010	11.6	1	481	1	481	41	1	481	41
	2011	10.2	5	2,595	5	519	51	5	519	51
	2012	9.5	1	0	1	0	0	1	0	0
	2013	9.4	1	3,930	1	3,930	418	1	3,930	418
	2014	11.3	1	620	1	620	55	1	620	55
W. Yakutat	1995	6.4	1	678	1	678	105	1	678	105
	1996	8.7	5	22,782	5	4,556	525	4	5,696	656
	1997	10.5	24	224,775	24	9,366	889	12	18,731	1,778
	1998	11.1	10	123,944	10	12,394	1,117	6	20,657	1,861
	1999	13.2	NA	NA	NA	NA	NA	NA	NA	NA
	2000	12.6	8	29,367	5	5,873	467	8	3,671	292
	2001	13.5	2	32,455	2	16,228	1,202	2	16,228	1,202
	2002	14.4	1	35,853	1	35,853	2,497	1	35,853	2,497
	2003	11.9	6	95,303	5	19,061	1,598	6	15,884	1,331
	2004	10.8	2	26,933	1	26,933	2,489	2	13,467	1,245
	2005	10.6	5	33,863	4	8,466	796	5	6,773	637
	2006	12.1	5	36,160	5	7,232	596	4	9,040	745
	2007	12.1	2	21,007	2	10,504	869	2	10,504	869

Area	Year	Official Ratio of QS/IFQ	Number of Sweep-up Transfers	Total QS Swept-Up	Total Unique Tranferors	Average QS Transferred	Avg. QS Transferred Expressed As IFQ	Total Unique Recipients	Average QS Received QS	Avg. QS Received Expressed As IFQ
	2008	13.0	6	62,324	5	12,465	957	6	10,387	797
	2009	15.5	1	13,734	1	13,734	885	1	13,734	885
	2011	13.9	1	389	1	389	28	1	389	28
	2013	13.7	2	1,229	2	615	45	1	1,229	90
	2014	16.2	3	29,650	2	14,825	917	3	9,883	612
C. Gulf	1995	7.3	4	21,020	4	5,255	719	2	10,510	1,438
	1996	9.2	7	21,003	7	3,000	326	6	3,501	380
	1997	9.8	29	244,299	27	9,048	923	18	13,572	1,385
	1998	10	7	47,384	7	6,769	680	5	9,477	951
	1999	11.3	NA	NA	NA	NA	NA	NA	NA	NA
	2000	11.1	5	26,601	4	6,650	599	5	9,756	883
	2001	11.7	8	34,742	5	6,948	594	8	9,756	833
	2002	11.7	8	26,950	3	8,983	768	8	9,756	837
	2003	9.8	9	92,305	7	13,186	1,346	8	10,976	1,117
	2004	8.7	3	41,322	2	20,661	2,375	3	9,756	1,125
	2005	8.7	12	39,496	7	5,642	649	11	10,643	1,219
	2006	9.9	3	6,764	2	3,382	340	3	9,756	981
	2007	10.2	7	15,355	3	5,118	500	7	2,194	214
	2008	11.5	9	25,859	2	12,930	1,123	9	2,873	250
	2009	12.7	6	15,708	5	3,142	248	5	3,142	248
	2010	14.0	4	2,703	3	901	64	3	901	64
	2011	13.4	7	31,593	3	10,531	788	7	4,513	338
	2012	11.0	5	6,002	1	1,200	109	5	1,200	109
	2013	11.4	9	10,858	1	1,206	106	9	1,206	106
	2014	13.5	4	18,655	1	4,664	345	4	4,664	345
W. Gulf	1997	10.9	1	8,021	1	8,021	736	1	8,021	733
	1998	11.1	2	26,243	2	13,122	1,182	2	13,122	1,182
	1999	11.2	NA	NA	NA	NA	NA	NA	NA	NA
	2000	11.1	3	50,913	3	16,971	1,529	3	16,971	1,529
	2002	9.1	2	14,461	2	7,231	793	2	0	0
	2003	8.0	1	0	1	0	0	1	22,210	2,794
	2004	7.0	2	22,210	2	11,105	1,593	2	9,756	1,400
	2005	8.0	1	0	1	0	0	1	0	0
	2006	7.7	0	0	0	0	0	0	0	0
	2007	8.3	0	0	0	0	0	0	0	0
	2008	10.8	0	0	0	0	0	0	0	0
	2009	12.5	0	0	0	0	0	0	0	0
	2010	12.3	1	17,956	1	17,956	1,459	1	17,956	1,459
	2011	12.6	0	0	0	0	0	0	0	0
	2012	11.5	1	556	1	556	48	1	556	48
Bering Sea	1997	19.2	2	6,007	2	3,004	156	2	3,004	157
	1998	16.2	2	52,372	1	52,372	3,233	1	52,372	3,227
	1999	15.7	NA	NA	NA	NA	NA	NA	NA	NA
	2000	14.5	3	129,975	1	129,975	8,964	3	43,325	2,992
	2001	13.6	1	11,880	1	11,880	874	1	11,880	871
	2002	11	1	0	1	0	0	1	0	0
	2003	7.3	3	70,543	3	23,514	3,221	3	23,514	3,204
	2004	7.3	1	19,469	1	19,469	2,667	1	19,469	2,652
	2005	8.7	0	0	0	0	0	0	0	0
	2006	7.6	1	32,389	1	32,389	4,262	1	32,389	4,284
	2007	7.2	1	42,505	1	42,505	5,945	1	42,505	5,945

Area	Year	Official Ratio of QS/IFQ	Number of Sweep-up Transfers	Total QS Swept-Up	Total Unique Tranferors	Average QS Transferred	Avg. QS Transferred Expressed As IFQ	Total Unique Recipients	Average QS Received QS	Avg. QS Received Expressed As IFQ
	2009	7.8	3	26,707	1	26,707	3,411	3	8,902	1,137
	2010	7.4	4	90,461	2	45,231	6,077	3	30,154	4,051
Aleutians	1997	19.9	3	28,262	3	9,421	473	3	9,421	474
	1998	17.3	1	23,094	1	23,094	1,335	1	23,094	1,335
	1999	17.3	NA	NA	NA	NA	NA	NA	NA	NA
	2000	9.9	6	85,112	1	85,112	8,597	6	14,185	1,429
	2001	9.7	2	42,147	1	42,147	4,345	2	21,074	2,182
	2003	7.8	1	3,184	1	3,184	408	1	3,184	409
	2008	9.9	1	1,463	1	1,463	148	1	1,463	148
	2010	11.5	1	2,927	1	2,927	253	1	2,927	253
	2011	11.7	1	5,130	1	5,130	440	1	5,130	440

**Table 6-3. 2014 Year-end Total Sablefish QS, Blocked QS, and Sweepable Blocked QS by Area**

Area	Total Amount of QS	Total Number of QS Holders	Total Blocked QS	Persons Holding Blocked QS	Total Sweepable QS	Percent of Total QS	Percent of Blocked QS	Persons Holding Sweepable QS	Percent Of Total Persons	Percent of Persons Holding Blocked QS
<i>Southeast</i>	66,120,619	386	9,724,565	236	2,701,767	4.1%	27.8%	137	35.5%	61%
<i>W. Yakutat</i>	53,266,430	233	6,919,091	145	2,735,752	5.1%	39.5%	99	42.5%	62%
<i>C. Gulf</i>	111,686,622	367	8,393,054	212	3,064,147	2.7%	36.5%	154	42.0%	58%
<i>W. Gulf</i>	36,029,579	159	7,193,424	96	1,353,366	3.8%	18.8%	52	32.7%	60%
<i>Bering Sea</i>	18,765,280	100	11,258,520	91	2,850,870	15.2%	25.3%	70	70.0%	91%
<i>Aleutians</i>	31,932,492	87	3,008,760	59	2,568,038	8.0%	85.4%	55	63.2%	68%

## 7 Sablefish: Changes in QS Holdings by Type of Person

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Under the sablefish IFQ program, individuals, partnerships, skippers, corporations, and other types of entities are defined as “persons” who may hold QS. This chapter examines the distribution of QS by type of person holding the QS.

Table 7-1 summarizes information on the distribution of QS by management area and type of person. Table 7-2 provides similar information on the number of persons holding QS, by type of person. Tables 7-3 and 7-4 provide similar information, but use aggregated person-type categories.

This chapter only looks at data from 2000 to 2014 due to the change in computer data base and an increase in number of fields an accurate comparison could not be made from the 1995-1999 data.

These tables provide information on the following types of QS:

<i>Corporate:</i>	QS held by corporations
<i>CQE:</i>	QS held by non-profit Community Quota Entities for use by residents of eligible communities. (No CQE for Sablefish at this time)
<i>Estates:</i>	QS held by estates of QS recipients or other owners.
<i>Individual</i>	QS held by natural persons who are initial QS recipients.
<i>Non Profit</i>	Groups use the proceeds from the CDQ allocations to start or support commercial fishery activities that will result in ongoing, regionally based, commercial fishery or related businesses.
<i>Partnership:</i>	QS held by partnerships.
<i>Skipper:</i>	QS held by individuals who are “IFQ crewmembers” rather than initial issuees.
<i>Sole Proprieter:</i>	QS held by business is owned by one individual.

The sablefish IFQ program contains restrictions on the ability of corporations and partnerships to hold and use sablefish catcher vessel QS and IFQ. The intent of these restrictions appears to be to assign QS to corporations and partnerships that qualified as initial issuees, but to impose restrictions on the ability of corporations and partnerships to expand their positions in the fishery. These restrictions are somewhat more strict in the Southeast area than elsewhere.

Corporations and partnerships that are initial catcher vessel QS recipients can use the QS and IFQ that they were initially issued and (except in the Southeast area) can buy and use additional QS. In the Southeast area, corporations and partnerships can only use the catcher vessel QS that

they received as an initial allocation. In all areas, corporations or partnerships must have at least a 20% ownership interest in the vessel on which the QS is used and the vessel must be operated by a “Hired Master” employed by the corporation.<sup>48</sup>

Corporations and partnerships *that are not* initial catcher vessel QS recipients cannot acquire catcher vessel QS by transfer. If a corporation or partnership that is not an initial QS recipients comes into possession of catcher vessel QS, perhaps following a default on a loan, it will not be able to fish with the QS.<sup>49</sup>

A corporation or partnership, except for a publicly held corporation, loses the rights to fish its initial catcher vessel allocation and to buy additional QS if a new shareholder or partner is added (except for court appointed trustees acting on behalf of shareholders or partners who become incapacitated). In these cases, QS must be transferred to an individual before it can be fished again.<sup>50</sup>

Corporations and partnerships that are not initial issuees may purchase freezer vessel QS.<sup>51</sup>

An IFQ crew member is defined in the IFQ program as an individual approved by NMFS as having at least 150 days experience working as part of a harvesting crew in any United States commercial fishery or any individual who receives an initial allocation of QS. An individual must meet these requirements to buy QS.<sup>52</sup>

Table 7-1 compares from 2000 and year end 2014 distribution of QS by IFQ area and type of person. Data are supplied on the 2000 QS issued to each type of owner in each management area, the QS held at year-end 2014 by each type of owner, the change in QS held, the percent change, and the percentage of area QS held by each type of owner at 2000 and at year-end 2014.

**Table 7-1. Sablefish QS by Area and Type of Holder 2000-2014**

Area	Person Type	2000 Total QS Holdings	Year-end 2014 Total QS Holdings	Change In Total QS Holdings	Pct Change Total QS Holdings	2000 Pct Area QS	Year-end 2014 Pct Area QS
SE	Corporations	8,418,553	6,830,865	-1,587,688	-18.9%	12.7%	10.3%
	Estates	167,106	0	-167,106	0.0%	0.3%	0.0%
	Individual	46,967,935	47,977,069	1,009,134	102.1%	71.1%	72.6%
	Partnership	1,547,438	1,371,423	-176,015	88.6%	2.3%	2.1%
	Skippers	8,728,760	9,137,592	408,832	104.7%	13.2%	13.8%
	Sole Proprietor	201,169	0	-201,169	0.0%	0.3%	0.0%
	Trust	0	803,670	803,670	0.0%	0.0%	1.2%

<sup>48</sup>See 50 CFR 679.42(j). This is a new regulation implemented in 1998. Certain “grandfather” provisions were added to allow the use of hired skippers on vessels where there was less than a 20% ownership interest, provided the owners were initial issuees and they had used a hired skipper prior to April 17, 1997.

<sup>49</sup>See 50 CFR 679.41(g).

<sup>50</sup>See 50 CFR 679.42(j)(1), (2), (3), and (4).

<sup>51</sup>The IFQ regulations do not prohibit freezer QS purchases by corporations and partnerships that were not initial issuees.

<sup>52</sup> NMFS RAM classifies persons according to their status when they first enter the system. A person whose first contact is the purchase of the QS is classified as “crew”. If a person classified as crew consequently receives an initial allocation of QS, they would not be reclassified. Thus crew occasionally appear as “initial QS holders”.

Area	Person Type	2000 Total QS Holdings	Year-end 2014 Total QS Holdings	Change In Total QS Holdings	Pct Change Total QS Holdings	2000 Pct Area QS	Year-end 2014 Pct Area QS
SE		----- 66,030,961	----- 66,120,619				
WY	Corporations	21,798,139	19,931,122	-1,867,017	91.4%	41.0%	37.4%
	Estates	68,338	0	-68,338	0.0%	0.1%	0.0%
	Individual	21,877,197	23,798,876	1,921,679	108.8%	41.1%	44.7%
	Partnership	1,553,432	747,954	-805,478	48.1%	2.9%	1.4%
	Skippers	7,933,960	8,208,143	274,183	103.5%	14.9%	15.4%
	Sole Proprietor	----- 53,231,066	----- 53,266,430			-----	-----
CG	Corporations	48,822,029	47,464,687	-1,357,342	97.2%	43.7%	42.5%
	Estates	265,948	49,592	-216,356	18.6%	0.2%	0.0%
	Individual	46,041,757	48,793,965	2,752,208	106.0%	41.2%	43.7%
	Non Profit	1,813,408	1,813,408	0	100.0%	1.6%	1.6%
	Partnership	3,801,767	2,155,822	-1,645,945	56.7%	3.4%	1.9%
	Skippers	10,874,811	11,409,158	534,347	104.9%	9.7%	10.2%
	Sole Proprietor	----- 111,619,720	----- 111,686,632			-----	-----
WG	Corporations	21,086,057	15,927,589	-5,158,468	75.5%	58.5%	44.2%
	Estates	90,229	0	-90,229	0.0%	0.3%	0.0%
	Individual	11,553,307	11,490,230	-63,077	99.5%	32.1%	31.9%
	Non Profit	323,008	910,618	587,610	281.9%	0.9%	2.5%
	Partnership	621,879	319,110	-302,769	51.3%	1.7%	0.9%
	Skippers	2,354,625	7,382,032	5,027,407	313.5%	6.5%	20.5%
		----- 36,029,105	----- 36,029,579			-----	-----
BS	Corporations	10,993,212	5,288,336	-5,704,876	48.1%	58.6%	28.1%
	Estates	132,845	0	-132,845	0.0%	0.7%	0.0%
	Individual	4,747,246	7,224,574	2,477,328	152.2%	25.3%	38.4%
	Non Profit	360,448	1,566,502	1,206,054	434.6%	1.9%	8.3%
	Partnership	1,283,873	204,438	-1,079,435	15.9%	6.8%	1.1%
	Skippers	1,251,221	4,481,430	3,230,209	358.2%	6.7%	23.8%
		----- 18,768,845	----- 18,790,367			-----	-----
AI	Corporations	17,881,030	14,875,797	-3,005,233	83.2%	56.0%	46.6%
	Estates	331,821	0	-331,821	0.0%	1.0%	0.0%
	Individual	5,740,799	8,180,344	2,439,545	142.5%	18.0%	25.6%
	Non Profit	679,248	1,199,959	520,711	176.7%	2.1%	3.8%
	Partnership	359,786	1,106,058	746,272	307.4%	1.1%	3.5%
	Skippers	6,939,808	6,570,334	-369,474	94.7%	21.7%	20.6%
		----- 31,932,492	----- 31,932,492			-----	-----

The table shows that:

The proportion of QS in 2014 allocated to corporate holders varied considerably among the IFQ areas. 2000 allocations of QS to corporations ranged from 10.1% of the total QS in the Southeast area to 46.5% of the total QS in the Aleutian Islands. Corporations held the highest proportions of QS at 2014 allocation in the Western Gulf, Central Gulf and Aleutian Islands areas.

The percentage of an area's QS held by corporations decreased slightly in all areas. 2014 allocations to individuals also varied widely between areas, ranging from a low of 10.1% in the Southeast Area to a high of 46.6% in the Aleutian Islands area. Individuals held the highest percentages of QS in 2014 for Southeast, and West Yakutat areas.

The proportion of the QS held by individuals fell in Western Gulf. The biggest relative decrease came in the Southeast area where individual holdings of QS fell from 378 holders in the 2000 to 322 holders at the end of 2014.

The percentages of total area QS held by Skippers at the end of 2014 ranged from a low of 10.2% in Central Gulf area to a high of 23.8% in the Bering Sea.

Table 7-2 provides similar information on the number of *individuals* holding QS by area and type of entity. The types of data provided are similar to those provided in Table 7-1. Typically, the number of QS holders declined in each person type entity except for Skippers, individuals and non profits. The declines in QS holders occurred as QS holdings were consolidated.

**TABLE 7-2. SABLEFISH QS HOLDERS BY AREA AND TYPE OF HOLDER 2000-2014**

AREA	PERSON TYPE	TOTAL QS HOLDERS 2000	YEAR-END TOTAL QS HOLDERS 2014	CHANGE IN TOTAL QS HOLDERS	PCT CHANGE IN TOTAL QS HOLDERS	2000 PCT AREA QS HOLDERS	YEAR-END PCT AREA QS HOLDERS 2014
SE	Corporations	54	35	-19	-35.2%	10.9%	9.0%
	Estates	2	0	-2	-100.0%	0.4%	0.0%
	Individual	378	310	-68	-18.0%	76.1%	79.7%
	Partnership	11	3	-8	-72.7%	2.2%	0.8%
	Skippers	50	38	-12	-24.0%	10.1%	9.8%
	Sole Proprietor	1	0	-1	-100.0%	0.2%	0.0%
	Trust	1	3	2	200.0%	0.2%	0.8%
		497	389				
WY	Corporations	67	46	-21	-31.3%	22.1%	19.8%
	Estates	2		-2	-100.0%	0.7%	0.0%
	Individual	185	146	-39	-21.1%	61.1%	62.9%
	Partnership	7	3	-4	-57.1%	2.3%	1.3%
	Skippers	42	36	-6	-14.3%	13.9%	15.5%
	Sole Proprietor	0	1	1	0.0%	0.0%	0.4%
		303	232				
CG	Corporations	96	71	-25	-26.0%	21.4%	19.5%
	Estates	3	1	-2	-66.7%	0.7%	0.3%
	Individual	282	224	-58	-20.6%	62.9%	61.4%
	Non Profit	1	2	1	100.0%	0.2%	0.5%
	Partnership	11	5	-6	-54.5%	2.5%	1.4%
	Skippers	55	61	6	10.9%	12.3%	16.7%
	Sole Proprietor		1				0.3%
		448	365				

AREA	PERSON TYPE	TOTAL QS HOLDERS 2000	YEAR-END TOTAL QS HOLDERS 2014	CHANGE IN TOTAL QS HOLDERS	PCT CHANGE IN TOTAL QS HOLDERS	2000 PCT AREA QS HOLDERS	YEAR-END PCT AREA QS HOLDERS 2014
WG	Corporations	59	41	-18	-30.5%	33.5%	25.8%
	Estates	2		-2	-100.0%	1.1%	0.0%
	Individual	82	81	-1	-1.2%	46.6%	50.9%
	Non Profit	1	2	1	100.0%	0.6%	1.3%
	Partnership	6	2	-4	-66.7%	3.4%	1.3%
	Skippers	26	32	6	23.1%	14.8%	20.1%
	Trust	0	1	1	0.0%	0.0%	0.6%
		176	159		0.0%	100	100
BS	Corporations	46	26	-20	-43.5%	38.7%	26.0%
	Estates	1		-1	-100.0%	0.8%	0.0%
	Individual	54	47	-7	-13.0%	45.4%	47.0%
	Non Profit	1	3	2	200.0%	0.8%	3.0%
	Partnership	3	1	-2	-66.7%	2.5%	1.0%
	Skippers	14	23	9	64.3%	11.8%	23.0%
		119	100		0.0%	100	100
AI	Corporations	41	27	-14	-34.1%	39.4%	30.0%
	Estates	1		-1	-100.0%	1.0%	0.0%
	Individual	42	35	-7	-16.7%	40.4%	38.9%
	Non Profit	1	2	1	100.0%	1.0%	2.2%
	Partnership	4	2	-2	-50.0%	3.8%	2.2%
	Skippers	15	24	9	60.0%	14.4%	26.7%
		104	90			100	100
		=====	=====			=====	=====
		=					
		2,325	1,708			600	600

The description of holders by category in Tables 7-1 and 7-2 can obscure changes in the relative QS holdings of corporations and natural persons. This topic is likely to be one of particular interest.

In Tables 7-3 and 7-4 these tables show the management areas and vessel classes in which corporate, estates, individual, non- profit, partnership, skippers, sole proprietor QS holdings are most common.

Table 7-3 looks at the amount of QS held and Table 7-4 looks at the numbers of persons holding QS. These tables are sorted by type of QS holder, vessel category, and management area.

Table 7-3 provides the total 2000 QS, the total year-end 2014 QS, and the change and the percentage change in 2000 and 2014 for each person type, management area, and vessel category combination. It also shows the percentage of total QS for the vessel category and area that was held by each person type in 2000 and at year-end 2014.

TABLE 7-3. SABLEFISH QS BY TYPE OF HOLDER, VESSEL CATEGORY, AND AREA

Person Type	Vessel Category	Area	2000 Total QS Holdings	Year-end 2014 Total QS Holdings	Change In Total QS Holdings	Pct Change In Total QS Holdings	Pct 2000 Vessel cat/Area QS	Pct Year end 2014 Vessel cat /Area QS
Corporate	Freezer	SE	2,779,767	2,653,433	-126,334	-4.5%	6.1%	5.9%
		WY	1,805,253	2,252,526	447,273	24.8%	4.0%	5.0%
		CG	10,690,597	10,601,272	-89,325	-0.8%	23.5%	23.6%
		WG	12,272,807	10,687,134	-1,585,673	-12.9%	27.0%	23.8%
		BS	5,715,973	4,394,765	-1,321,208	-23.1%	12.6%	9.8%
		AI	12,226,589	14,236,979	2,010,390	16.4%	26.9%	31.8%
	GT 60 ft			44,826,109				
		SE	3,067,582	2,082,409	-985,173	-32.1%	5.1%	4.5%
		WY	16,890,278	14,959,190	-1,931,088	-11.4%	27.9%	32.4%
		CG	27,089,516	23,887,093	-3,202,423	-11.8%	44.8%	51.7%
		WG	5,866,982	4,754,205	-1,112,777	-19.0%	9.7%	10.3%
		BS	3,456,411	158,519	-3,297,892	-95.4%	5.7%	0.3%
	LE 60 ft	AI	4,154,888	351,059	-3,803,829	-91.6%	6.9%	0.8%
				46,192,475				
		SE	2,571,204	2,095,023	-476,181	-18.5%	11.4%	14.7%
		WY	3,102,608	2,719,406	-383,202	-12.4%	13.8%	19.1%
		CG	11,041,916	8,600,371	-2,441,545	-22.1%	49.1%	60.3%
		WG	2,946,268	486,250	-2,460,018	-83.5%	13.1%	3.4%
		BS	1,931,649	62,161	-1,869,488	-96.8%	8.6%	0.4%
		AI	885,337	287,759	-597,578	-67.5%	3.9%	2.0%
Estates	GT 60 ft	SE	167,106	0.0%	-167,106	-100.0%	15.8%	0.0%
		WY	68,338	0.0%	-68,338	-100.0%	6.5%	0.0%
		CG	264,383	0.0%	-264,383	-100.0%	25.1%	0.0%
		WG	90,229	0.0%	-90,229	-100.0%	8.6%	0.0%
		BS	132,845	0.0%	-132,845	-100.0%	12.6%	0.0%
		AI	331,821	0.0%	-331,821	-100.0%	31.5%	0.0%
	LE 60 ft	SE	0	0.0%	0	0.0%	0.0%	0.0%
		WY	0	0.0%	0	0.0%	0.0%	0.0%
		CG	1,565	1,565	0	0.0%	100	100
Individual	Freezer	SE	2,823,164	2,141,075	-682,089	-24.2%	31.7%	21.3%
		WY	1,233,476	961,988	-271,488	-22.0%	13.9%	9.6%
		CG	2,617,104	2,428,068	-189,036	-7.2%	29.4%	24.2%
		WG	646,539	1,555,167	908,628	140.5%	7.3%	15.5%
		BS	523,672	1,477,447	953,775	182.1%	5.9%	14.7%
		AI	1,051,566	1,483,640	432,074	41.1%	11.8%	14.8%
	GT 60 ft			10,047,385				
		SE	7,260,669	7,805,229	544,560	7.5%	13.5%	13.2%
		WY	11,004,677	12,785,417	1,780,740	16.2%	20.5%	21.5%
		CG	20,432,982	24,322,601	3,889,619	19.0%	38.1%	38.7%
		WG	8,467,844	7,834,023	-633,821	-7.5%	15.8%	11.8%
		BS	3,274,734	3,189,796	-84,938	-2.6%	6.1%	5.4%
	LE 60 ft	AI	3,247,990	3,010,130	-237,860	-7.3%	6.0%	9.5%
		SE	36,884,102	37,275,584	391,482	1.1%	49.6%	48.5%
		WY	9,639,044	10,915,050	1,276,006	13.2%	13.0%	12.8%
		CG	22,991,671	25,969,950	2,978,279	13.0%	30.9%	31.3%
		WG	2,438,924	3,625,659	1,186,735	48.7%	3.3%	3.4%
		BS	948,840	2,345,755	1,396,915	147.2%	1.3%	2.9%

Person Type	Vessel Category	Area	2000 Total QS Holdings	Year-end 2014 Total QS Holdings	Change In Total QS Holdings	Pct Change In Total QS Holdings	Pct 2000 Vessel cat/Area QS	Pct Year end 2014 Vessel cat /Area QS
		AI	1,441,243	985,249	-455,994	-31.6%	1.9%	1.1%
Non profit	Freezer	SE	0	0	0	0.0%	0.0%	0.0%
		WY	0	0	0	0.0%	0.0%	0.0%
		CG	1,813,408	3,556,745	1,743,337	96.1%	57.1%	49.2%
		WG	323,008	910,618	587,610	181.9%	10.2%	12.6%
		BS	360,448	1,566,502	1,206,054	334.6%	11.3%	21.7%
		AI	679,248	1,199,959	520,711	76.7%	21.4%	16.6%
Partnership	Freezer	SE	61,889	0	-61,889	-100.0%	2.1%	0.0%
		WY	254,174	0	-254,174	-100.0%	8.5%	0.0%
		CG	1,245,595	0	-1,245,595	-100.0%	41.9%	0.0%
		WG	385,630	0	-385,630	-100.0%	13.0%	0.0%
		BS	830,132	0	-830,132	-100.0%	27.9%	0.0%
		AI	197,249	943,521	746,272	378.3%	6.6%	100.0%
		SE	492,519	488,508	-4,011	-0.8%	28.0%	32.3%
		WY	495,700	495,700	0	0.0%	28.1%	32.7%
		CG	504,708	502,533	-2,175	-0.4%	28.6%	33.2%
		WG	3,077	3,077	0	0.0%	0.2%	0.2%
		BS	241,915	0	-241,915	-100.0%	13.7%	0.0%
		AI	24,200	24,200	0	0.0%	1.4%	1.6%
	GT 60 FT	SE	492,519	488,508	-4,011	-0.8%	28.0%	32.3%
		WY	495,700	495,700	0	0.0%	28.1%	32.7%
		CG	504,708	502,533	-2,175	-0.4%	28.6%	33.2%
		WG	3,077	3,077	0	0.0%	0.2%	0.2%
		BS	241,915	0	-241,915	-100.0%	13.7%	0.0%
		AI	24,200	24,200	0	0.0%	1.4%	1.6%
		SE	993,030	882,915	-110,115	-11.1%	22.4%	30.5%
		WY	803,558	252,254	-551,304	-68.6%	18.1%	8.7%
		CG	2,051,464	1,096,286	-955,178	-46.6%	46.3%	37.9%
		WG	233,172	316,033	82,861	35.5%	5.3%	10.9%
Skipper	Freezer	BS	211,826	204,438	-7,388	-3.5%	4.8%	7.1%
		AI	138,337	138,337	0	0.0%	3.1%	4.8%
		SE	469,159	535,801	66,642	14.2%	7.7%	13.3%
		WY	1,080,835	1,319,156	238,321	22.0%	17.7%	30.9%
		CG	1,190,400	1,211,012	20,612	1.7%	19.5%	30.4%
		WG	43,417	330,097	286,680	660.3%	0.7%	22.1%
	GT 60ft	BS	150,823	26,852	-123,971	-82.2%	2.5%	0.9%
		AI	3,183,415	88,184	-3,095,231	-97.2%		
		SE	2,244,995	3,059,114	814,119	36.3%	13.9%	12.2%
		WY	3,802,532	3,441,717	-360,815	-9.5%	23.5%	14.6%
		CG	4,734,079	3,636,860	-1,097,219	-23.2%	29.3%	20.5%
		WG	1,164,616	3,196,901	2,032,285	174.5%	7.2%	15.2%
	LE 60 ft	BS	652,459	4,255,337	3,602,878	552.2%	4.0%	16.9%
		AI	3,560,734	7,934,244	4,373,510	122.8%	22.0%	20.6%
		SE	6,014,606	6,297,858	283,252	4.7%	38.1%	25.9%
		WY	3,050,593	2,743,623	-306,970	-10.1%	19.3%	16.8%
		CG	4,950,332	6,132,115	1,181,783	23.9%	31.3%	31.7%
		WG	1146592	2,333,310	1,186,718	103.5%	7.3%	14.9%
		BS	447,939	943,325	495,386	110.6%	2.8%	4.6%
		AI	195,659	1,147,001	951,342	486.2%	1.2%	6.2%
Sole Proprietor	GT 60 FT	SE	201,169	0	-201,169	-100.0%	100.0%	0.0%
		WY	0	580,335	580,335	0.0%	0.0%	37.7%

Person Type	Vessel Category	Area	2000 Total QS Holdings	Year-end 2014 Total QS Holdings	Change In Total QS Holdings	Pct Change In Total QS Holdings	Pct 2000 Vessel cat/Area QS	Pct Year end 2014 Vessel cat /Area QS
		CG	0	957,598	957,598	0.0%	0.0%	62.3%
					0	0.0%		
Trust	Freezer	SE		803,670	803,670	0.0%		
		WG	0	103,291	103,291	0.0%	0	100

Corporate holders held a majority of the freezer vessel sablefish QS in the Central Gulf, Western Gulf, Aleutian Islands, and Bering Sea areas in 2000 and at year-end 2014 and a majority of the “greater than 60 feet” catcher vessel QS in the West Yakutat, Central Gulf areas in 2014. Corporate holders tended to increase the size of their holdings of freezer QS in areas West Yakutat, and Aleutians where they held majorities of the QS to start with, but to reduce the size of their holdings of “greater than 60 feet” QS in all areas. Corporate holdings of “LE 60 feet” catcher vessel QS decreased in all areas as well.

At the end of 2014 “Individuals” tended to hold substantial amounts of QS. “Individuals” held over 20% of the QS in 6 of the 18 possible combinations of management areas and vessel categories. They held over 30% in four of them, and over 45% in one. The proportions of QS held by “skippers” were high for freezer vessel QS in the SE, WY, CG and WG.

Partnerships in the freezer category reduced all their QS holdings except for AI. Non profit increased their QS holdings in BS, AI, WG.CG and all other regions remained the same.

Table 7-4 provides similar data for QS holders. Data are supplied on the numbers of QS holders of each person-type that were in 2000, the number of QS holders of each person-type who held QS at year-end 2014, and the change and the percent change in the number of QS holders. The table also shows the percentage of QS holders that fall into each person-type category for each vessel category and year. The table provides both year 2000 and year-end 2014 percentages.

**TABLE 7-4. SABLEFISH QS HOLDERS BY TYPE OF HOLDER, VESSEL CATEGORY, AND AREA. 2000-2014**

Person Type	Vessel Category	Area	2000 Total QS Holders	Year-end 2014 Total QS Holders	Change In Total QS Holders	Pct Change In Total QS Holders	Pct 2000 Vessel cat/Area QS	Pct Year-end 2014 Vessel cat/Area QS
Corporate	Freezer	SE	14	10	-4	-28.6%	15.9%	62.5%
		WY	13	14	1	7.7%	86.7%	15.4%
		CG	17	21	4	23.5%	113.3%	131.3%
		WG	15	15	0	0.0%	100.0%	93.8%
		BS	14	15	1	7.1%	93.3%	93.8%
		AI	15	16	1	6.7%	100.0%	100.0%
	GT 60 ft	SE	23	16	-7	-30.4%	11.7%	12.6%
		WY	40	30	-10	-25.0%	20.3%	23.6%
		CG	58	42	-16	-27.6%	29.4%	33.1%
		WG	35	25	-10	-28.6%	17.8%	19.7%

Person Type	Vessel Category	Area	2000 Total QS Holders	Year-end 2014 Total QS Holders	Change In Total QS Holders	Pct Change In Total QS Holders	Pct 2000 Vessel cat/Area QS	Pct Year-end 2014 Vessel cat/Area QS
	LE 60 ft	BS	22	6	-16	-72.7%	11.2%	4.7%
		AI	19	8	-11	-57.9%	9.6%	6.3%
		SE	19	14	-5	-26.3%	19.2%	24.1%
		WY	19	12	-7	-36.8%	19.2%	20.7%
		CG	29	18	-11	-37.9%	29.3%	31.0%
		WG	11	5	-6	-54.5%	11.1%	8.6%
		BS	11	4	-7	-63.6%	11.1%	6.9%
		AI	10	5	-5	-50.0%	10.1%	8.6%
			99	58				
Estates	GT 60 ft	SE	2	0	-2	-100.0%	20.0%	0.0%
		WY	2	0	-2	-100.0%	20.0%	0.0%
		CG	2	0	-2	-100.0%	20.0%	0.0%
		WG	2	0	-2	-100.0%	20.0%	0.0%
		BS	1	0	-1	-100.0%	10.0%	0.0%
		AI	1	0	1	-100.0%	10.0%	0.0%
	LE 60 ft	CG	1	1	0	0	100	100
Individual	Freezer	SE	22	21	-1	-4.5%	31.4%	29.6%
		WY	13	10	-3	-23.1%	18.6%	14.1%
		CG	14	14	0	0.0%	20.0%	19.7%
		WG	9	10	1	11.1%	12.9%	14.1%
		BS	4	7	3	75.0%	5.7%	9.9%
		AI	8	9	1	12.5%	11.4%	12.7%
	GT 60 ft	SE	51	49	-2	-3.9%	19.3%	18.9%
		WY	55	55	0	0.0%	20.8%	21.2%
		CG	78	81	3	3.8%	29.5%	31.3%
		WG	38	35	-3	-7.9%	14.4%	13.5%
		BS	23	18	-5	-21.7%	8.7%	6.9%
		AI	19	21	2	10.5%	7.2%	8.1%
	LE 60 ft	SE	315	270	-45	-14.3%	42.6%	45.3%
		WY	127	100	-27	-21.3%	17.2%	16.8%
		CG	207	151	-56	-27.1%	28.0%	25.3%
		WG	47	42	-5	-10.6%	6.4%	7.0%
		BS	27	22	-5	-18.5%	3.6%	3.7%
		AI	17	11	-6	-35.3%	2.3%	1.8%
Non profit	Freezer	SE	0	0	0	0.0%	0.0%	0.0%
		WY	0	0	0	0.0%	0.0%	0.0%
		CG	1	2	1	100.0%	25.0%	22.2%
		WG	1	2	1	100.0%	25.0%	22.2%
		BS	1	3	2	200.0%	25.0%	33.3%
		AI	1	2	1	100.0%	25.0%	22.2%
Partnership	Freezer	SE	2	0	-2	-100.0%	14.3%	0.0%
		WY	2	0	-2	-100.0%	14.3%	0.0%
		CG	3	0	-3	-100.0%	21.4%	0.0%
		WG	3	0	-3	-100.0%	21.4%	0.0%
		BS	2	0	-2	-100.0%	14.3%	0.0%
		AI	2	1	-1	-50.0%	14.3%	100.0%
	GT 60 ft	SE	4	3	-1	-25.0%	33.3%	33.3%
		WY	1	1	0	0.0%	8.3%	11.1%
		CG	3	2	-1	-33.3%	25.0%	22.2%
		WG	2	2	0	0.0%	16.7%	22.2%
		BS	1	0	-1	-100.0%	8.3%	0.0%

Person Type	Vessel Category	Area	2000 Total QS Holders	Year-end 2014 Total QS Holders	Change In Total QS Holders	Pct Change In Total QS Holders	Pct 2000 Vessel cat/Area QS	Pct Year-end 2014 Vessel cat/Area QS
	LE 60 ft	AI	1	1	0	0.0%	8.3%	11.1%
		SE	5	2	-3	-60.0%	22.7%	18.2%
		WY	5	2	-3	-60.0%	22.7%	18.2%
		CG	7	4	-3	-42.9%	31.8%	36.4%
		WG	2	1	-1	-50.0%	9.1%	9.1%
		BS	2	1	-1	-50.0%	9.1%	9.1%
		AI	1	1	0	0.0%	4.5%	9.1%
Skipper	Freezer	SE	3	3	0	0.0%	25.0%	17.6%
		WY	2	4	2	100.0%	16.7%	23.5%
		CG	1	2	1	100.0%	8.3%	11.8%
		WG	1	5	4	400.0%	8.3%	29.4%
		BS	3	2	-1	-33.3%	25.0%	11.8%
		AI	2	1	-1	-50.0%	16.7%	5.9%
	GT 60 ft	SE	12	16	4	33.3%	15.6%	13.9%
		WY	14	17	3	21.4%	18.2%	14.8%
		CG	22	29	7	31.8%	28.6%	25.2%
		WG	12	20	8	66.7%	15.6%	17.4%
		BS	6	19	13	216.7%	7.8%	16.5%
		AI	11	14	3	27.3%	14.3%	12.2%
	LE 60 ft	SE	36	29	-7	-19.4%	27.5%	21.3%
		WY	30	21	-9	-30.0%	22.9%	15.4%
		CG	39	46	7	17.9%	29.8%	33.8%
		WG	16	21	5	31.3%	12.2%	15.4%
		BS	6	11	5	83.3%	4.6%	8.1%
		AI	4	8	4	100.0%	3.1%	5.9%
Sole Proprietor	GT 60 ft	SE	1	0	-1	-100%	100	0
		WY	0	1	1	100.0%	0.0%	50.0%
		CG	0	1	1	100.0%	0.0%	50.0%
Trust	Freezer	SE	0	1	1	100	0	100
		WG	0	1	1	100	0	100

## 8 Changes in the Distribution of Sablefish QS by State

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Tables 8-1 and 8-2 provide data on QS holdings based on the US state in which QS holders reside. These tables show changes in distribution of sablefish QS holdings by state from initial issuance through year-end 2014. The state of residence for QS holders is based upon NMFS-RAM records of current mailing addresses as self-reported by holders.<sup>53</sup>

At both initial issuance and year end of 2014, persons from Washington held the highest percentage of QS issued for all IFQ areas except Southeast. By the end of 2014, Alaskan residents had slightly increased their QS holdings in the Southeast, Bering Sea, and Aleutians areas and had slightly decreased their QS holdings in all other areas.

The percentage of QS held by Alaskans in each area at year end 2014 ranged from 22.6% in the Aleutian Island area to 64.8 % in the Southeast area. Sablefish QS holdings by Alaska residents increased in all areas with the largest increase in the Bering Sea.

In all areas, the QS holdings of persons from Oregon and other states were small relative to the QS holdings of persons from Washington and Alaska.

Table 8-2 shows similar information as Table 8-1, except it provides the number of QS holders instead of the amount of QS. In the Southeast, West Yakutat, Central Gulf, and Bering Sea, most QS holders were from Alaska at year-end 2014; nonresidents of Alaska comprise most of the QS holders in the Western Gulf and Aleutian Islands.

Since initial issuance, the overall number of QS holders has dropped in all areas. With this drop in the number of QS holders there was a coincident increase in the average size of QS holdings in each IFQ management area for residents of most states.

Average QS holdings vary considerably among persons from different states within a management area. For example, in the West Yakutat area, Alaska residents received average initial allocations of 73,978 QS units, whereas Oregon residents received 109,134 QS units, and Washington residents received average initial allocations of 192,088 QS units. In all areas, persons from Washington held the highest average amounts of QS, at initial issuance; this also was true at year-end 2014. Except that in Bering Sea, residents held the highest average number of QS units.

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<sup>53</sup>NMFS-RAM maintains data only for year end addresses

Note that the total number of initial QS recipients in the tables in this chapter may be greater than the number of unique QS recipients for the area as shown elsewhere in this report. This is because some persons received separate initial allocations over the 1995 to 2014 period, and had different addresses and were classified into different resident categories at different points in time.

**TABLE 8-1. INITIAL ALLOCATION AND YEAR-END 2014 QS HOLDINGS BY AREA AND STATE**

AREA	STATE	INITIAL AMOUNT OF QS	2014 AMOUNT OF QS	INITIAL PCT. OF AREA QS	2014 PCT. OF AREA QS	CHANGE IN TOTAL QS	PERCENT CHANGE IN TOTAL QS
SOUTHEAST	ALASKA	42,740,595	42,829,317	64.3%	64.8%	88,722	0.2%
	WASHINGTON	19,289,335	18,434,818	29.0%	27.9%	-854,517	-4.4%
	OREGON	1,922,885	1,185,817	2.9%	1.8%	-737,068	-38.3%
	OTHER	2,521,979	3,670,667	3.8%	5.6%	1,148,688	45.5%
		-----	-----			-----	
		66,474,794	66,120,619			-354,175	
W. YAKUTAT	ALASKA	18,494,619	20,369,559	34.6%	38.2%	1,874,940	10.1%
	WASHINGTON	30,734,052	26,439,007	57.5%	49.6%	-4,295,045	-14.0%
	OREGON	2,619,205	2,284,431	4.9%	4.3%	-334,774	-12.8%
	OTHER	1,584,985	4,173,433	3.0%	7.8%	2,588,448	163.3%
		-----	-----			-----	
		53,432,861	53,266,430	166,431		-166,431	
C. GULF	ALASKA	43,422,477	43,823,794	39.0%	39.2%	401,317	0.9%
	WASHINGTON	55,214,072	51,380,964	49.5%	46.0%	-3,833,108	-6.9%
	OREGON	5,180,714	5,547,451	4.6%	5.0%	366,737	7.1%
	OTHER	7,660,286	10,934,413	6.9%	9.8%	3,274,127	42.7%
		-----	-----			-----	
		111,477,549	111,686,622	-209,073		209,073	
W. GULF	ALASKA	8,523,462	9,755,536	23.6%	27.1%	1,232,074	14.5%
	WASHINGTON	24,283,461	21,964,336	67.3%	61.0%	-2,319,125	-9.6%
	OREGON	1,022,862	1,185,817	2.8%	3.3%	162,955	15.9%
	OTHER	2,256,096	3,123,890	6.3%	8.7%	867,794	38.5%
		-----	-----			-----	
		36,085,881	36,029,579			-56,302	
BERING SEA	ALASKA	7,090,226	9,154,952	38.1%	48.8%	2,064,726	29.1%
	WASHINGTON	10,313,616	7,509,552	55.4%	40.0%	-2,804,064	-27.2%
	OREGON	432,874	1,762,760	2.3%	9.4%	1,329,886	307.2%
	OTHER	768,438	338,016	4.1%	1.8%	-430,422	-56.0%
		-----	-----			-----	
		18,605,154	18,765,280			-160,126	
ALEUTIANS	ALASKA	7,112,625	9,345,430	22.6%	29.3%	2,232,805	31.4%
	WASHINGTON	22,270,655	21,634,021	70.7%	67.7%	-636,634	-2.9%
	OREGON	628,152	672,844	2.0%	2.1%	44,692	7.1%
	OTHER	1,506,744	280,197	4.8%	0.9%	-1,226,547	-81.4%
		-----	-----			-----	
		31,518,176	31,932,492			414,316	

**TABLE 8-2. INITIAL ALLOCATION AND YEAR-END 2014 QS HOLDERS BY AREA AND STATE**

AREA	STATE	INITIAL NUMBER OF QS HOLDERS	2014 NUMBER OF QS HOLDERS	INITIAL PCT. OF AREA QS HOLDERS	2014 PCT. OF AREA QS HOLDERS	CHANGE IN QS HOLDERS	PERCENT CHANGE IN QS HOLDERS	INITIAL AVG. QS HOLDING S	2014 AVG. QS HOLDING S	CHANGE IN AVG. QS HOLDINGS	PCT. CHANGE AVG. QS HOLDINGS
SOUTHEAST	ALASKA	465	255	52.7%	70.8%	-196	-42.2%	91,915	86,502	-5,413	-5.9%
	WASHINGTON	197	70	36.4%	19.4%	-90	-45.7%	97,915	240,802	142,887	145.9%
	OREGON	25	9	5.1%	2.5%	-14	-56.0%	76,915	65,486	-11,429	-14.9%
	OTHER	25	26	5.8%	7.2%	-2	-8.0%	100,879	129,611	28,732	28.5%
		-----	-----			-----					
		712	360			-302					
W. YAKUTAT	ALASKA	250	108	54.9%	46.6%	-136	-54.4%	73,978	188,607	114,629	155.0%
	WASHINGTON	160	87	35.2%	37.5%	-72	-45.0%	192,088	303,897	111,809	58.2%
	OREGON	24	13	5.3%	5.6%	-9	-37.5%	109,134	175,725	66,591	61.0%
	OTHER	21	24	4.6%	10.3%	0	0.0%	75,475	173,893	98,418	130.4%
		-----	-----			-----					
		455	232			-217					
C. GULF	ALASKA	395	205	61.5%	56.2%	-185	-46.8%	109,930	213,775	103,845	94.5%
	WASHINGTON	184	104	28.7%	28.5%	-80	-43.5%	300,076	494,048	193,972	64.6%
	OREGON	37	24	5.8%	6.6%	-12	-32.4%	140,019	231,144	91,125	65.1%
	OTHER	26	32	4.0%	8.8%	6	23.1%	294,626	341,700	47,074	16.0%
		-----	-----			-----					
		642	365			-271					
W. GULF	ALASKA	107	63	46.1%	37.5%	-39	-36.4%	76,659	142,118	65,459	85.4%
	WASHINGTON	100	70	43.1%	41.7%	-31	-31.0%	242,835	280,188	37,353	15.4%
	OREGON	12	9	5.2%	5.4%	-2	-16.7%	85,239	130,529	45,290	53.1%
	OTHER	13	26	5.6%	15.5%	3	23.1%	173,546	38,214	-135,332	-78.0%
		-----	-----			-----					
		232	168			-69					
BERING SEA	ALASKA	62	44	43.1%	44.0%	-12	-19.4%	114,358	195,810	81,452	71.2%
	WASHINGTON	65	43	45.1%	43.0%	-21	-32.3%	158,671	174,559	15,888	10.0%
	OREGON	8	6	5.6%	6.0%	-3	-37.5%	54,109	284,072	229,963	425.0%
	OTHER	9	7	6.3%	7.0%	-5	-55.6%	85,382	42,777	-42,605	-49.9%
		-----	-----			-----					

AREA	STATE	INITIAL NUMBER OF QS HOLDERS	2014 NUMBER OF QS HOLDERS	INITIAL PCT. OF AREA QS HOLDERS	2014 PCT. OF AREA QS HOLDERS	CHANGE IN QS HOLDERS	PERCENT CHANGE IN QS HOLDERS	INITIAL AVG. QS HOLDING S	2014 AVG. QS HOLDING S	CHANGE IN AVG. QS HOLDINGS	PCT. CHANGE AVG. QS HOLDINGS
		144	100			-41					
ALEUTIANS	ALASKA	49	35	36.0%	40.2%	-10	-20.4%	145,156	275,018	129,862	89.5%
	WASHINGTON	73	45	53.7%	51.7%	-25	-34.2%	305,077	480,756	175,679	57.6%
	OREGON	5	2	3.7%	2.3%	-2	-40.0%	125,630	336,422	210,792	167.8%
	OTHER	9	5	6.6%	5.7%	-7	-77.8%	167,416	46,266	-121,150	-72.4%
		-----	-----			-----					
		136	87			-44					

## 9 Sablefish: Changes by Management Area, Rural-Urban, Local- Nonlocal

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The initial distribution of QS and the way the QS distribution changes over time are topics of interest for those who have been concerned about the potential consequences of the new IFQ program. The previous chapter examined this topic by breaking out QS holders based upon the state where they reside. This section examines the topic using five resident types that were originally developed by Langdon to study permit holdings under Alaska's limited entry program. These resident types have since been used by the Commercial Fisheries Entry Commission to monitor distributional changes under the program.

<sup>54</sup>

They are defined as follows:

AK Rural Local (ARL) A person residing in an *Alaska rural* community which is *local* to the IFQ management area for which the QS applies;

AK Rural Nonlocal (ARN) A person residing in an *Alaska rural* community which is *nonlocal* to the IFQ management area for which the QS applies;

AK Urban Local (AUL) A person residing in an *Alaska urban* community which is *local* to the IFQ management area for which the QS applies.

AK Urban Nonlocal (AUN) A person residing in an *Alaska urban* community which is *nonlocal* to the IFQ management area for which the QS applies.

Nonresident A person residing in a location outside of Alaska.

The decision rules for designating rural/urban and local/nonlocal classifications are described in Appendix I. Essentially, the rural/urban distinction is based on a population of 2,500 or more persons as of the 1990 census. Some communities with populations less than 2,500 are classified as urban because they lie on a road system and are within a certain radius of an urban center. For instance, Auke Bay has a small population, but is designated as urban because it is situated on a road system and is within 20 miles of Juneau.

In the 2000 census technological advances in the field of geographic information systems (GIS) during the last 10 years allowed the Census Bureau to automate the urban and rural delineation process for the first time in Census Bureau history. The new urban area criteria, based solely on the population density of census Block Groups (BGs) and census blocks, provide a continuum of urban areas for Census 2000 (see Appendix I).

### 9.1 Initial and Year-end 2014 Allocations

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<sup>54</sup>Langdon, S., *Transfer Patterns In Alaskan Limited Fisheries*, January 17, 1980 and Tingley, A. and Dinneford, E., *Changes In The Distribution Of Alaska's Limited Entry Permits 1975-1998*, July 1999.

Table 9-1a provides the initial distribution and year-end 2014 distribution of sablefish QS by area and resident type. It also shows the initial and year-end percentages of the area's QS held by each resident type, and the change in QS held by resident types.<sup>55</sup>

As was shown in Chapter 8, nonresidents hold large amounts of sablefish QS. They were initially issued the majority of QS in all areas except Southeast, and at the end of 2014, continued to hold the majority of QS except for Bering Sea and Southeast.

Among Alaska residents, persons who fell into the urban, non-local category held the highest percentage of sablefish QS in the West Yakutat, Western Gulf, Bering Sea, and Aleutian Islands areas. In the Southeast area, Alaska Urban Locals held the highest percentage of QS. In the Central Gulf, QS held by Alaskans was highest at initial issuance in the urban non-local category.

Table 9-1a. Initial Allocation and Year-end 2014 QS Holdings by Management Area and Resident Type

Area	Resident Type	Initial Amount of QS	2014 Amount of QS	Initial Pct. of Area QS	2014 Pct. of Area QS	Change in Total QS	Percent Change in Total QS
Southeast	AK Rural Local	9,487,259	3,831,011	14.3	5.8%	-5,656,248	-59.6%
	AK Rural Non-Loc	147,424	1,829,418	0.2	2.8%	1,681,994	1140.9%
	AK Urban Local	30,214,860	36,037,475	45.5	54.5%	5,822,615	19.3%
	AK Urban Non-Loc	2,891,052	1,131,413	4.3	1.7%	-1,759,639	-60.9%
	Nonresident	23,734,199	23,291,302	35.7	35.2%	-442,897	-1.9%
		-----	-----			-----	
		66,474,794	66,120,619				
W. Yakutat	AK Rural Local	1,024,288	456	1.9	0.0%	-1,023,832	-100.0%
	AK Rural Non-Loc	1,276,179	2,415,393	2.4	6.7%	1,139,214	89.3%
	AK Urban Local	7,928	56,843	0.0%	0.2%	48,915	617.0%
	AK Urban Non-Loc	16,186,224	7,282,844	30.3	20.2%	-8,903,380	-55.0%
	Nonresident	34,938,242	26,274,043	65.4	72.9%	-8,664,199	-24.8%
		-----	-----			-----	
		53,432,861	36,029,579				
C. Gulf	AK Rural Local	2,660,815	8,873,886	2.4	7.9%	6,213,071	233.5%
	AK Rural Non-Loc	1,530,000	4,470,422	1.4	4.0%	2,940,422	192.2%
	AK Urban Local	18,991,744	9,710,458	17	8.7%	-9,281,286	-48.9%
	AK Urban Non-Loc	20,239,918	20,769,468	18.2	18.6%	529,550	2.6%
	Nonresident	68,055,072	67,862,388	61	60.8%	-192,684	-0.3%
		-----	-----			-----	
		111,477,549	111,686,622				
W. Gulf	AK Rural Local	1,301,812	456	3.6	0.0%	-1,301,356	-100.0%
	AK Rural Non-Loc	393,081	2,415,393	1.1	6.7%	2,022,312	514.5%
	AK Urban Local	20,784	56,843	0.1	0.2%	36,059	173.5%
	AK Urban Non-Loc	6,807,785	7,282,844	18.9	20.2%	475,059	7.0%
	Nonresident	27,562,419	26,274,043	76.4	72.9%	-1,288,376	-4.7%
		-----	-----			-----	

<sup>55</sup>Note that the total number of initial QS recipients in the tables in this chapter may be greater than the number of unique QS recipients for the area, as shown elsewhere in this report. This is because some persons received separate initial QS allocations in during 1995 to 2014, and had different addresses at each issuance event. These persons were classified into different resident-types at different points in time.

Area	Resident Type	Initial Amount of QS	2014 Amount of QS	Initial Pct. of Area QS	2014 Pct. of Area QS	Change in Total QS	Percent Change in Total QS
		36,085,881	36,029,579				
Bering Sea	AK Rural Local	197	-	0.0%	0.0%	-197	n.d
	AK Rural Non-Loc	364,906	4,829,182	2.0%	25.7%	4,464,276	1223.4%
	AK Urban Local	700	-	0	0.0%	-700	n.d
	AK Urban Non-Loc	6,724,423	4,325,770	36.1	23.1%	-2,398,653	-35.7%
	Nonresident	11,514,928	9,610,328	61.9	51.2%	-1,904,600	-16.5%
		-----	-----			-----	
		18,605,154	18,765,280				
Aleutians	AK Rural Local	0	437,255	0	1.4%	437,255	100.0%
	AK Rural Non-Loc	109,993	1,311,859	0.3	4.1%	1,201,866	1092.7%
	AK Urban Non-Loc	7,002,632	7,596,316	22.2	23.8%	593,684	8.5%
	Nonresident	24,405,551	22,587,062	77.4	70.7%	-1,818,489	-7.5%
		-----	-----			-----	
		31,518,176	31,932,492				

Note: n.d. means not defined

Table 9-1b provides similar information as Table 9-1a, but shows data on QS holders rather than amounts of QS. The table provides data on the initial and year-end 2014 distribution of sablefish QS holders by area and resident type, the change and percentage change in the number of QS holders by area and resident type, and each resident type's average QS holdings at initial issuance and year-end 2014.

**Table 9-1b. Initial Allocation and Year-end 2014 QS Holders by Area and Resident Type**

Area	Resident Type	Initial Number of QS Holders	2014 Number of QS Holders	Initial Pct. of Area QS Holders	2014 Pct. of Area QS Holders	Change in QS Holders	Percent Change in QS Holders	Initial Avg. QS Holdings	2014 Avg. QS Holdings	Change in Avg. QS Holdings	Percent Change Avg. QS Holdings
Southeast	AK Rural Local	118	32	16.5	8.2%	-86	-72.9%	80,401	165,470	85,069	105.8%
	AK Rural Non-Loc	13	23	1.8	5.9%	10	76.9%	11,340	46,586	35,246	310.8%
	AK Urban Local	278	189	38.9	48.6%	-89	-32.0%	108,687	186,949	78,262	72.0%
	AK Urban Non-Loc	58	11	8.1	2.8%	-47	-81.0%	49,846	116,364	66,518	133.4%
	Nonresident	247	134	34.6	34.4%	-113	-45.7%	96,090	172,692	76,602	79.7%
		-----	-----								
		714	389								
W. Yakutat	AK Rural Local	12	6	2.6	2.6%	-6	-50.0%	85,357	312,331	226,974	265.9%
	AK Rural Non-Loc	47	17	10.3	7.3%	-30	-63.8%	27,153	154,025	126,872	467.2%
	AK Urban Local	1	1	0.2	0.4%	0	0.0%	7,928	0	-7,928	-100.0%
	AK Urban Non-Loc	190	84	41.8	36.2%	-106	-55.8%	85,191	180,027	94,836	111.3%
	Nonresident	205	124	45.1	53.4%	-81	-39.5%	170,430	271,385	100,955	59.2%
		-----	-----								
		455	232								
C. Gulf	AK Rural Local	38	67	5.9	18.4%	29	76.3%	70,021	125,031	55,010	78.6%
	AK Rural Non-Loc	35	25	5.4	6.8%	-10	-28.6%	43,714	270,328	226,614	518.4%
	AK Urban Local	224	51	34.8	14.0%	-173	-77.2%	84,785	265,522	180,737	213.2%
	AK Urban Non-Loc	99	63	15.4	17.3%	-36	-36.4%	204,444	242,847	38,403	18.8%
	Nonresident	247	159	38.4	43.6%	-88	-35.6%	275,527	425,848	150,321	54.6%
		-----	-----								

Area	Resident Type	Initial Number of QS Holders	2014 Number of QS Holders	Initial Pct. of Area QS Holders	2014 Pct. of Area QS Holders	Change in QS Holders	Percent Change in QS Holders	Initial Avg. QS Holdings	2014 Avg. QS Holdings	Change in Avg. QS Holdings	Percent Change Avg. QS Holdings
W. Gulf		643	365								
	AK Rural Local	17	1	7.3	0.6%	-16	-94.1%	76,577	91,242	14,665	19.2%
	AK Rural Non-Loc	10	23	4.3	14.5%	13	130.0%	39,308	123,376	84,068	213.9%
	AK Urban Local	5	2	2.2	1.3%	-3	-60.0%	4,157	0	-4,157	-100.0%
	AK Urban Non-Loc	75	37	32.3	23.3%	-38	-50.7%	90,770	172,404	81,634	89.9%
	Nonresident	125	96	53.9	60.4%	-29	-23.2%	220,499	278,351	57,852	26.2%
		-----	-----								
		232	159								
Bering Sea	AK Rural Local	1	0	0.7	0.0%	-1	-100.0%	197	0	-197	n.d.
	AK Rural Non-Loc	11	23	7.6	23.0%	12	109.1%	33,173	206,239	173,066	521.7%
	AK Urban Local	2	0	1.4	0.0%	-2	-100.0%	350	0	-350	n.d.
	AK Urban Non-Loc	48	21	33.3	21.0%	-27	-56.3%	140,092	214,516	74,424	53.1%
	Nonresident	82	56	56.9	56.0%	-26	-31.7%	140,426	158,986	18,560	13.2%
		-----	-----								
		144	100								
Aleutians	AK Rural Local	0	2	0	2.3%	2	n.d.	0	1,002,995	1,002,995	n.d.
	AK Rural Non-Loc	4	9	2.9	10.3%	5	125.0%	27,498	681,135	653,637	2377.0%
	AK Urban Non-Loc	45	24	33.1	27.6%	-21	-46.7%	155,614	973,764	818,150	525.8%
	Nonresident	87	52	64	59.8%	-35	-40.2%	280,524	0	-280,524	-100.0%
		-----	-----								
		136	87								

Note: n.d means not defined

The number of QS holders declined and the average QS holdings increased in most of the area and resident type combinations. This again indicates that some consolidation of QS holdings has occurred after initial allocation. Nonresidents and Alaska Urban Nonlocals made up the majority of the persons who were issued QS and who held QS at the end of 2014, in all areas except Southeast and Central Gulf.

## 10 Changes in the Distribution of Sablefish QS by Census Area

The tables in this section use 2000 Alaska census areas to classify sablefish QS holders into resident categories. Persons who hold QS were assigned to a census area based upon addresses they provided NMFS-RAM. Persons who reside outside of Alaska were put in a single nonresident category. The tables provide data on the initial distribution and the 2014 year-end distribution of sablefish QS holdings.

Table 10-1a presents a summary on the QS holdings of each resident category in each of the different sablefish IFQ management areas. The table provides the initial QS holdings, the 2014 year-end QS holdings, the change in QS holdings from initial issuance through 2014, and the percentage change in QS holdings. The table also shows the percentage of the total QS in the IFQ area that was initially issued to persons in each resident category as well as the year-end 2014 percentage of the total area QS held in each resident category.

Persons who reside outside of Alaska received the majority of the initial QS in all areas except Southeast, and continued to hold most of the QS at the end of 2014. There has been a decrease in their holdings for QS holders that reside outside of Alaska in all areas as of 2014.

Census areas that show relatively high percentages of QS held by Alaskans at the end of 2014 are: Sitka (Southeast and West Yakutat); Petersburg, (Southeast, West Yakutat, Central Gulf and Bering Sea); Kodiak (Western Gulf); and the Kenai Peninsula (Central Gulf, Western Gulf, Aleutian Islands and the Bering Sea).

**Table 10-1a. Initial Allocation and Year-end 2014 QS Holdings by Management Area and Census Area**

Area	Census Area	Initial Amount of QS	2014 Amount of QS	Initial Pct. of Area QS	2014 Pct. of Area QS	Change in Total QS	Percent Change in Total QS
Southeast	Aleutians East	54,783	300	0.1%	0.0%	-54,483	-99%
	Aleutians West	844	8	0.0%	0.0%	-836	-99%
	Anchorage Borough	1,281,393	269,217	1.9%	0.4%	-1,012,176	-79%
	Fairbanks\N. Star	146,069	0	0.2%	0.0%	-146,069	-100%
	Haines	685,601	625,097	1.0%	0.9%	-60,504	-9%
	Hoonah/Angoon	5,602,657	1,836,612	8.4%	2.8%	-3,766,045	-67%
	Juneau	4,529,676	5,355,785	6.8%	8.1%	826,109	18%
	Kenai Peninsula	1,120,873	1,091,854	1.7%	1.7%	-29,019	-3%
	Ketchikan	1,819,371	376,379	2.7%	0.6%	-1,442,992	-79%
	Kodiak Borough	379,517	590,505	0.6%	0.9%	210,988	56%
	MatSu Borough	54,997	271,683	0.1%	0.4%	216,686	394%
	Nome	0	0	0.0%	0.0%	0	0%
	Petersburg	9,727,735	11,151,102	14.6%	16.9%	1,423,367	15%
	Prince of Wales	1,775,814	849,442	2.7%	1.3%	-926,372	-52%
	Sitka	14,977,433	19,464,006	22.5%	29.4%	4,486,573	30%
	Valdez\Cordova	0	3,618	0.0%	0.0%	3,618	NA
	Wade Hampton	0	136	0.0%	0.0%	136	NA
	Wrangell	523,834	943,491	0.8%	1.4%	419,657	80%
	Yakutat	59,998	82	0.1%	0.0%	-59,916	-100%
	Outside Alaska	23,749,117	23,291,302	35.7%	35.2%	-457,815	-2%

Area	Census Area	Initial Amount of QS	2014 Amount of QS	Initial Pct. of Area QS	2014 Pct. of Area QS	Change in Total QS	Percent Change in Total QS
		----- 66,489,712	----- 66,120,619	369,093	100.0%	----- -369,093	
W. Yakutat	Aleutians East	120,822	0	0.2%	0.0%	-120,822	-100%
	Aleutians West	692	7	0.0%	0.0%	-685	-99%
	Anchorage Borough	1,525,530	200,137	2.9%	0.4%	-1,325,393	-87%
	Fairbanks\N. Star	354	0	0.0%	0.0%	-354	-100%
	Haines	16,451	0	0.0%	0.0%	-16,451	-100%
	Hoonah/Angoon	445,520	96,674	0.8%	0.2%	-348,846	-78%
	Juneau	1,058,458	636,477	2.0%	1.2%	-421,981	-40%
	Kenai Peninsula	2,104,973	1,933,617	4.0%	3.6%	-171,356	-8%
	Ketchikan	761,558	447,052	1.4%	0.8%	-314,506	-41%
	Kodiak Borough	3,198,743	3,316,494	6.1%	6.2%	117,751	4%
	MatSu Borough	353,076	22,135	0.7%	0.0%	-330,941	-94%
	Petersburg	4,463,599	6,067,645	8.5%	11.4%	1,604,046	36%
	Prince of Wales	77,665		0.1%	0.0%	-77,665	-100%
	Sitka	3,335,668	5,737,862	6.3%	10.8%	2,402,194	72%
	Valdez\Cordova	797,193	1,911,459	1.5%	3.6%	1,114,266	140%
	Wrangell	0	0	0.0%	0.0%	0	0%
	Yakutat	235,023		0.4%	0.0%	-235,023	-100%
	Outside Alaska	34,130,197	32,896,871	64.9%	61.8%	-1,233,326	-4%
		----- 52,625,522	----- 53,266,430	-640,908		----- 640,908	
C. Gulf	Aleutians East	398,414	0	0.4%	0.0%	-398,414	-100%
	Aleutians West	1,382	13	0.0%	0.0%	-1,369	-99%
	Anchorage Borough	2,075,715	3,776,724	1.9%	3.4%	1,701,009	82%
	Dillingham	0	1,813,408	0.0%	1.6%	1,813,408	NA
	Fairbanks\N. Star	1,369	0	0.0%	0.0%	-1,369	-100%
	Haines	21	89,772	0.0%	0.1%	89,751	427386%
	Hoonah/Angoon	643,135	150,186	0.6%	0.1%	-492,949	-77%
	Juneau	756,809	2,272,549	0.7%	2.0%	1,515,740	200%
	Kenai Peninsula	8,533,093	9,466,663	7.7%	8.5%	933,570	11%
	Ketchikan	1,521,621	539,191	1.4%	0.5%	-982,430	-65%
	Kodiak Borough	10,439,338	9,544,982	9.4%	8.5%	-894,356	-9%
	MatSu Borough	609,175	758,803	0.5%	0.7%	149,628	25%
	Nome	0	0	0.0%	0.0%	0	0%
	Petersburg	11,115,658	8,806,998	10.0%	7.9%	-2,308,660	-21%
	Prince of Wales	60,592	466,851	0.1%	0.4%	406,259	670%
	Sitka	6,971,832	4,691,357	6.3%	4.2%	-2,280,475	-33%
	SE Fairbanks	0	240,296	0.0%	0.2%	240,296	NA
	Valdez\Cordova	295,982	1,205,276	0.3%	1.1%	909,294	307%
	Wrangell	0	725	0.0%	0.0%	725	NA
	Yakutat	16,925	0	0.0%	0.0%	-16,925	-100%
	Outside Alaska	68,003,825	67,862,828	61.0%	60.8%	-140,997	0%
		----- 111,444,886	----- 111,686,622	-241,736		----- 241,736	
W. Gulf	Aleutians East	1,301,808	58,270	3.6%	0.2%	-1,243,538	-96%
	Aleutians West	20,788	278,562	0.1%	0.8%	257,774	1240%
	Anchorage Borough	163,462	1,728,191	0.5%	4.8%	1,564,729	957%
	Dillingham	0	323,008	0.0%	0.9%	323,008	NA

Area	Census Area	Initial Amount of QS	2014 Amount of QS	Initial Pct. of Area QS	2014 Pct. of Area QS	Change in Total QS	Percent Change in Total QS
W. Gulf Cont.	Fairbanks\N. Star		114,768				
	Hoonah/Angoon	154,195	0	0.4%	0.0%	-154,195	-100%
	Juneau	78,109	718,003	0.2%	2.0%	639,894	819%
	Kenai Peninsula	2,194,155	1,766,470	6.1%	4.9%	-427,685	-19%
	Ketchikan	178,524	731	0.5%	0.0%	-177,793	-100%
	Kodiak Borough	795,085	3,821,686	2.2%	10.6%	3,026,601	381%
	MatSu Borough	179,250	135456	0.5%	0.4%	-43,794	-24%
	Nome	0	0	0.0%	0.0%	0	0%
	Petersburg	1,275,755	92,833	3.5%	0.3%	-1,182,922	-93%
	Sitka	2,177,935	671,176	6.0%	1.9%	-1,506,759	-69%
	SE Fairbanks	0	0	0.0%	0.0%	0	NA
	Valdez\Cordova	0	46,382	0.0%	0.1%	46,382	NA
	Yakutat	4,870	0	0.0%	0.0%	-4,870	-100%
	Outside Alaska	27,554,579	26,274,043	76.4%	72.9%	-1,280,536	-5%
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		36,078,515	36,029,579			-163,704	
Bering Sea	Aleutians East	50,716	0	0.3%	0.0%	-50,716	-100%
	Aleutians West	897	583,113	0.0%	3.1%	582,216	64907%
	Anchorage Borough	226,071	2,777,576	1.2%	14.8%	2,551,505	1129%
	Dillingham	0	360,448	0.0%	1.9%	360,448	NA
	Hoonah/Angoon	160,722	0	0.9%	0.0%	-160,722	-100%
	Juneau	210,263	766,640	1.1%	4.1%	556,377	265%
	Kenai Peninsula	2,226,027	3,193,536	12.0%	17.0%	967,509	43%
	Ketchikan	39,654	33,200	0.2%	0.2%	-6,454	-16%
	Kodiak Borough	1,624,456	224,737	8.7%	1.2%	-1,399,719	-86%
	MatSu Borough	54,330	310,709	0.3%	1.7%	256,379	472%
	Nome	0	0	0.0%	0.0%	0	0%
	Petersburg	1,613,894	8,273	8.7%	0.0%	-1,605,621	-99%
	Sitka	901,910	204,438	4.8%	1.1%	-697,472	-77%
	SE Fairbanks	0	193,419	0.0%	1.0%	193,419	0%
	Valdez\Cordova	0	496,055	0.0%	2.6%	496,055	NA
	Yakutat	2,808	2,808	0.0%	0.0%	0	0%
	Outside Alaska	11,514,928	9,610,328	61.8%	51.2%	-1,904,600	-17%
		-----	-----			-----	
		18,626,676	18,765,280	-138,604		138,604	
Aleutians	Aleutians East	0	0	0.0%	0.0%	0	0%
	Aleutians West	16,206	872,280	0.1%	2.7%	856,074	5282%
	Anchorage Borough	249,267	3,621,348	0.8%	11.3%	3,372,081	1353%
	Dillingham	0	679,248	0.0%	2.1%	679,248	n.d.
	Fairbanks	0	0	0.0%	0.0%	0	NA
	Hoonah/Angoon	108,342	59,813	0.3%	0.2%	-48,529	-45%
	Juneau	91,817	1,074,719	0.3%	3.4%	982,902	1071%
	Kenai Peninsula	3,742,955	257,385	11.9%	0.8%	-3,485,570	-93%
	Ketchikan	119,314	0	0.4%	0.0%	-119,314	-100%
	Kodiak Borough	475,455	1,941,781	1.5%	6.1%	1,466,326	308%
	MatSu Borough	23,264	0	0.1%	0.0%	-23,264	-100%
	Nome	0	0	0.0%	0.0%	0	0%
	Petersburg	578,092	642,430	1.8%	2.0%	64,338	11%
	Sitka	1,706,262	138,861	5.4%	0.4%	-1,567,401	-92%
	Valdez Cordova	0	55,914	0.0%	0.2%	55,914	NA
	Yakutat	1,651	1,651	0.0%	0.0%	0	0%
	Outside Alaska	24,405,551	22,587,062	77.4%	70.7%	-1,818,489	-7%

Area	Census Area	Initial Amount of QS	2014 Amount of QS	Initial Pct. of Area QS	2014 Pct. of Area QS	Change in Total QS	Percent Change in Total QS
Aleutians Cont.		31,518,176	31,932,492	-414,316		414,316	

Table 10-1b provides somewhat similar information on QS holders. The table shows, for each census area, the initial number of QS holders, the 2014 year-end number of QS holders, the change in the number of QS holders through 2014, and the percentage change in the number of QS holders for each IFQ management area and census area.

For each IFQ management area and resident category, Table 10-1b also shows the initial average sablefish QS holdings, the 2014 year-end average QS holdings, the change in average QS holdings from initial issuance to year-end 2014, and the percentage change in average QS holdings.

Table 10-1b again shows that the Sitka, Petersburg, Juneau, Kodiak Borough, and Kenai Peninsula census areas had relatively high numbers of persons with sablefish QS. It also shows that average QS holdings in these census areas were relatively high in most IFQ management areas. The number of QS holders and average QS holdings are high in the "Outside Alaska" category as well.

The table indicates that the majority of sablefish QS holders in the Southeast and Central Gulf areas are Alaskans, while the majority of QS holders in the West Yakutat, Western Gulf, Bering Sea, and Aleutian Islands are from outside Alaska.

Table 10-1b demonstrates that in most census areas there was some consolidation of sablefish QS holdings and a reduction in the number of QS holders. In the few cases where the number of QS holders increased, the increases were very small.

Some of the decline in numbers of QS holders in the Southeast, West Yakutat, Central Gulf, and Western Gulf may be related to persons selling their CDQ compensation QS.

The decline in the number of persons in a resident category usually lead to increases in the average QS holdings for that resident category. However, some resident categories showed decreases in average QS holdings for some IFQ areas even when the number of QS holders had declined.

**TABLE 10-1b. INITIAL ALLOCATION AND YEAR-END 2014 QS HOLDERS BY AREA AND STATE**

Area	Census Area	Initial Number of QS Holders	2014 Number of QS Holders	Initial Pct. of Area QS Holders	2014 Pct. of Area QS Holders	Change in QS Holders	Percent Change in QS Holders	Initial Avg. QS Holdings	2014 Avg. QS Holdings	Change in Avg. QS Holdings	Percent Change Avg. QS Holdings
Southeast	Aleutians East	4	1	0.6%	0.2%	-3	-75%	13,696	300	-13,396	-97.8%
	Aleutians West	5	1	0.7%	0.2%	-4	-80%	169	8	-161	-95.3%
	Anchorage Borough	14	4	1.9%	1.0%	-10	-71%	91,528	67,304	-24,224	-26.5%
	Fairbanks\N. Star	2	0	0.3%	0.0%	-2	-100%	73,035	0	-73,035	-100.0%
	Haines	16	12	2.2%	2.9%	-4	-25%	42,850	52,091	9,241	21.6%
	Hoonah/Angoon	42	8	5.8%	1.9%	-34	-81%	133,397	229,577	96,180	72.1%
	Juneau	73	37	10.2%	8.9%	-36	-49%	62,050	144,751	82,701	133.3%
	Kenai Peninsula	20	10	2.8%	2.4%	-10	-50%	56,044	109,185	53,142	94.8%
	Ketchikan	36	7	5.0%	1.7%	-29	-81%	50,538	53,768	3,230	6.4%
	Kodiak Borough	22	5	3.1%	1.2%	-17	-77%	17,251	118,101	100,850	584.6%

Area	Census Area	Initial Number of QS Holders	2014 Number of QS Holders	Initial Pct. of Area QS Holders	2014 Pct. of Area QS Holders	Change in QS Holder s	Percent Change in QS Holders	Initial Avg. QS Holdin gs	2014 Avg. QS Holdings	Change in Avg. QS Holdings	Percent Change Avg. QS Holdings
Southeast	MatSu Borough	5	2	0.7%	0.5%	-3	-60%	10,999	135,842	124,842	1135.0%
	Petersburg	62	44	8.6%	10.6%	-18	-29%	156,899	253,434	96,535	61.5%
	Prince of Wales	35	13	4.9%	3.1%	-22	-63%	50,738	65,342	14,604	28.8%
	Sitka	118	117	16.4%	28.1%	-1	-1%	126,927	166,359	39,432	31.1%
	Valdez\Cordova	0	1	0.0%	0.2%	1	0%	0	3,618	3,618	0.0%
	Wade Hampton	0	1	0.0%	0.2%	1	0%	0	136	136	0.0%
	Wrangell	10	9	1.4%	2.2%	-1	-10%	52,383	104,832	52,449	100.1%
	Yakutat	5	1	0.7%	0.2%	-4	-80%	12,000	82	-11,918	-99.3%
	Outside Alaska	249	144	34.7%	34.5%	-105	-42%	95,378	161,745	66,367	69.6%
		-----	-----								
		718	417								
W. Yakutat	Aleutians East	4	0	0.9%	0.0%	-4	-100%	30,206	0	-30,206	-100.0%
	Aleutians West	5	1	1.1%	0.4%	-4	-80%	138	7	-131	-94.9%
	Anchorage Borough	18	10	3.9%	3.8%	-8	-44%	84,752	20,014	-64,738	-76.4%
	Fairbanks\N. Star	1	0	0.2%	0.0%	-1	-100%	354	0	-354	-100.0%
	Haines	3	0	0.7%	0.0%	-3	-100%	5,484	0	-5,484	-100.0%
	Hoonah/Angoon	16	1	3.5%	0.4%	-15	-94%	27,845	96,674	68,829	247.2%
	Juneau	18	9	3.9%	3.4%	-9	-50%	58,803	70,720	11,916	20.3%
	Kenai Peninsula	52	15	11.4%	5.7%	-37	-71%	40,480	128,908	88,428	218.4%
	Ketchikan	7	3	1.5%	1.1%	-4	-57%	108,794	149,017	40,223	37.0%
	Kodiak Borough	30	12	6.6%	4.6%	-18	-60%	106,625	276,375	169,750	159.2%
	MatSu Borough	9	2	2.0%	0.8%	-7	-78%	39,231	11,068	-28,163	-71.8%
	Petersburg	33	32	7.2%	12.3%	-1	-3%	135,261	189,614	54,353	40.2%
	Prince of Wales	5	0	1.1%	0.0%	-5	-100%	15,533	0	-15,533	-100.0%
	Sitka	38	30	8.3%	11.5%	-8	-21%	87,781	191,262	103,481	117.9%
	Valdez\Cordova	10	9	2.2%	3.4%	-1	-10%	79,719	212,384	132,665	166.4%
	Wrangell	0	0	0.0%	0.0%	0	0%	0	0	0	0.0%
	Yakutat	3	0	0.7%	0.0%	-3	-100%	78,341	0	-78,341	-100.0%
	Outside Alaska	206	137	45.0%	52.5%	-69	-33%	165,681	240,123	74,443	44.9%
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		458	261	100.0%	100.0%						
C. Gulf	Aleutians East	5	0	0.8%	0.0%	-5	-100%	79,683	0	-79,683	-100.0%
	Aleutians West	5	1	0.8%	0.2%	-4	-80%	276	13	-263	-95.3%
	Anchorage Borough	31	16	4.8%	3.9%	-15	-48%	66,959	236,045	169,087	252.5%
	Dillingham	0	1	0.0%	0.2%	1	0%	0	1,813,408	1,813,408	#DIV/0!
	Fairbanks\N. Star	1	0	0.2%	0.0%	-1	-100%	1,369	0	-1,369	-100.0%
	Haines	1	1	0.2%	0.2%	0	0%	21	89,772	89,751	427385.7%
	Hoonah/Angoon	10	2	1.5%	0.5%	-8	-80%	64,314	75,093	10,780	16.8%
	Juneau	12	5	1.9%	1.2%	-7	-58%	63,067	454,510	391,442	620.7%
	Kenai Peninsula	140	81	21.6%	19.7%	-59	-42%	60,951	116,872	55,922	91.7%
	Ketchikan	11	2	1.7%	0.5%	-9	-82%	138,329	269,596	131,266	94.9%
	Kodiak Borough	78	51	12.1%	12.4%	-27	-35%	133,838	187,157	53,319	39.8%
	MatSu Borough	10	6	1.5%	1.5%	-4	-40%	60,918	126,467	65,550	107.6%
	Petersburg	38	25	5.9%	6.1%	-13	-34%	292,517	352,280	59,763	20.4%
	Prince of Wales	5	2	0.8%	0.5%	-3	-60%	12,118	233,426	221,307	1826.2%
	Sitka	34	20	5.3%	4.9%	-14	-41%	205,054	234,568	29,514	14.4%
	SE Fairbanks	0	4	0.0%	1.0%	4	0%	0	60,074	60,074	#DIV/0!
	Valdez\Cordova	13	10	2.0%	2.4%	-3	-23%	22,768	120,528	97,760	429.4%
	Wrangell	0	1	0.0%	0.2%	1	0%	0	725	725	#DIV/0!
	Yakutat	3	0	0.5%	0.0%	-3	-100%	5,642	0	-5,642	-100.0%
	Outside Alaska	250	184	38.6%	44.7%	-66	-26%	272,015	368,820	96,804	35.6%

Area	Census Area	Initial Number of QS Holders	2014 Number of QS Holders	Initial Pct. of Area QS Holders	2014 Pct. of Area QS Holders	Change in QS Holder s	Percent Change in QS Holders	Initial Avg. QS Holdin gs	2014 Avg. QS Holdings	Change in Avg. QS Holdings	Percent Change Avg. QS Holdings
C. Gulf Cont.		647	412								
W. Gulf	Aleutians East	16	2	6.8%	1.1%	-14	-88%	81,363	29,135	-52,228	-64.2%
	Aleutians West	6	5	2.6%	2.8%	-1	-17%	3,465	55,712	52,248	1508.0%
	Anchorage Borough	6	6	2.6%	3.4%	0	0%	27,244	288,032	260,788	957.2%
	Dillingham	0	1	0.0%	0.6%	1	0%	0	323,008	323,008	0.0%
	Hoonah/Angoon	3	1	1.3%	0.6%	-2	-67%	51,398	114,768	63,370	123.3%
	Juneau	3	2	1.3%	1.1%	-1	-33%	26,036	0	-26,036	-100.0%
	Kenai Peninsula	18	22	7.7%	12.4%	4	22%	121,898	32,637	-89,261	-73.2%
	Ketchikan	4	2	1.7%	1.1%	-2	-50%	44,631	883,235	838,604	1879.0%
	Kodiak Borough	24	20	10.3%	11.2%	-4	-17%	33,129	37	-33,092	-99.9%
	MatSu Borough	5	3	2.1%	1.7%	-2	-40%	35,850	1,273,895	1,238,045	3453.4%
	Nome	0	0	0.0%	0.0%	0	0%	0	0	0	0.0%
	Petersburg	9	2	3.8%	1.1%	-7	-78%	141,751	0	-141,751	-100.0%
	Sitka	13	4	5.6%	2.2%	-9	-69%	167,533	23,208	-144,325	-86.1%
	SE Fairbanks	0	0	0.0%	0.0%	0	0%	0	0	0	0.0%
	Valdez\Cordova	0	1	0.0%	0.6%	1	0%	0	0	0	0.0%
	Wrangell	9	0	3.8%	0.0%	-9	-100%	0	0	0	0.0%
	Yakutat borough	1		0.4%	0.0%	-1	-100%	4,870	0	-4,870	-100.0%
	Outside Alaska	125	107	53.4%	60.1%	-18	-14%	220,437	245,552	25,115	11.4%
		234	178								
Bering Sea	Aleutians East	3	0	2.1%	0.0%	-3	-100%	16,905	0	-16,905	-100.0%
	Aleutians West	3	3	2.1%	2.8%	0	0%	299	194,371	194,072	64907.0%
	Anchorage Borough	5	7	3.4%	6.5%	2	40%	45,214	396,797	351,582	777.6%
	Dillingham	0	1	0.0%	0.9%	1	0%	0	360,448	360,448	0.0%
	Hoonah/Angoon	3	0	2.1%	0.0%	-3	-100%	53,574	0	-53,574	-100.0%
	Juneau	3	3	2.1%	2.8%	0	0%	70,088	255,547	185,459	264.6%
	Kenai Peninsula	12	18	8.3%	16.8%	6	50%	185,502	177,419	-8,084	-4.4%
	Ketchikan	3	2	2.1%	1.9%	-1	-33%	13,218	16,600	3,382	25.6%
	Kodiak Borough	16	4	11.0%	3.7%	-12	-75%	101,529	56,184	-45,344	-44.7%
	MatSu Borough	4	3	2.8%	2.8%	-1	-25%	13,583	103,570	89,987	662.5%
	Nome	0	0	0.0%	0.0%	0	0%	0	0	0	0.0%
	Petersburg	4	1	2.8%	0.9%	-3	-75%	403,474	8,273	-395,201	-97.9%
	Sitka	6	1	4.1%	0.9%	-5	-83%	150,318	204,438	54,120	36.0%
	SE Fairbanks	0	3	0.0%	2.8%	3	0%	0	64,473	64,473	0.0%
	Valdez\Cordova	0	1	0.0%	0.9%	1	0%	0	496,055	496,055	0.0%
	Yakutat	1	1	0.7%	0.9%	0	0%	2,808	2,808	0	0.0%
	Outside Alaska	82	59	56.6%	55.1%	-23	-28%	140,426	162,887	22,461	16.0%
		145	107								
Aleutians	Aleutians East	0	0	0.0%	0.0%	0	0%	0	0	0	0.0%
	Aleutians West	2	6	1.5%	6.1%	4	200%	8,103	145,380	137,277	1694.2%
	Anchorage Borough	4	7	3.0%	7.1%	3	75%	62,317	517,335	455,019	730.2%
	Dillingham	0	1	0.0%	1.0%	1	0%	0	679,248	679,248	0.0%
	Fairbanks	0	0	0.0%	0.0%	0	0%	0	0	0	0.0%
	Hoonah Angoon	3	1	2.2%	1.0%	-2	-67%	36,114	59,813	23,699	65.6%
	Juneau	3	2	2.2%	2.0%	-1	-33%	30,606	537,360	506,754	1655.8%
	Kenai Peninsula	10	4	7.4%	4.0%	-6	-60%	374,296	64,346	-309,949	-82.8%

Area	Census Area	Initial Number of QS Holders	2014 Number of QS Holders	Initial Pct. of Area QS Holders	2014 Pct. of Area QS Holders	Change in QS Holder s	Percent Change in QS Holders	Initial Avg. QS Holdin gs	2014 Avg. QS Holdings	Change in Avg. QS Holdings	Percent Change Avg. QS Holdings
Aleutians Cont.	Ketchikan	1	0	0.7%	0.0%	-1	-100%	119,314	0	-119,314	-100.0%
	Kodiak Borough	12	13	8.9%	13.1%	1	8%	39,621	149,368	109,747	277.0%
	MatSu Borough	1	0	0.7%	0.0%	-1	-100%	23,264	0	-23,264	-100.0%
	Nome	0	0	0.0%	0.0%	0	0%	0	0	0	0.0%
	Petersburg	5	2	3.7%	2.0%	-3	-60%	115,618	321,215	205,597	177.8%
	Sitka	7	2	5.2%	2.0%	-5	-71%	243,752	69,431	-174,321	-71.5%
	Valdez Cordova	0	1	0.0%	1.0%	1	0%	0	55,914	55,914	0.0%
	Yakutat	0	1	0.0%	1.0%	1	0%	0	1,651	1,651	0.0%
	Outside Alaska	87	59	64.4%	59.6%	-28	-32%	280,524	382,832	102,308	36.5%
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## 11 New Entrants in the Sablefish Fishery

Other sections of this report provides the result of consolidations and transfer activities that have occurred since the initial QS allocation. Some of the transferred QS went to initial QS recipients and some went to new entrants. The tables in this section present data that show the extent to which new entrants received QS and entered the sablefish fishery. The data indicates that significant numbers of persons who were not initial issuees for an area were able to acquire sablefish QS.

The IFQ program provides free transferability of QS, subject to several constraints designed to temper consolidation and preserve opportunities for the smaller boat and part-time portion of the fleet that existed under open access. These constraints are discussed in Chapter 2 and other sections of this report.

Any United States citizen or entity can receive freezer vessel QS through transfer. Persons who receive catcher vessel QS through transfer must be initial QS recipients or IFQ crewmembers. Under the IFQ program, an IFQ crewmember is defined as any individual who has at least 150 days experience working as part of a harvesting crew in any United States commercial fishery or as any individual who receives an initial allocation of QS.(US Code of Federal regulations, Part 679.2)

New entrants may also participate in the fishery through regulations which allow an individual to transfer QS to the individual's solely owned corporation (a new entity). New entrants might also participate because of transfers due to court order, operation of law, or as part of a security agreement. However, in these latter cases IFQ is not assigned unless the person receiving the QS transfer meets all eligibility requirements.

Table 11-1a shows, by area, the amount of QS and the percentage of QS still held by initial issuees at year end from 1995 through 2014. The table provides their average QS holdings and the percentage these initial holders represent of all QS holders.

**Table 11-1a. Sablefish QS Holdings of Initial Issuees and New Entrants at Year-end**

Area	Year	Total QS Held By Initial Issuees	% held by initial Issuees	Average held by initial	Initial issue for area	% who are initial	Total QS held by new entrant	% of QS held by new entrants	Average QS held by new entrants	New Entrants for area	% who are new entrants
SOUTHEAST	1995	61,934,533	94.8	104,974	590	89.9	3,418,229	5.5	51,791	66	10.1
	1996	60,369,833	91.7	117,680	513	84.4	5,459,642	9.0	57,470	95	15.6
	1997	57,882,234	87.8	130,660	443	80.1	8,056,528	13.9	73,241	110	19.9
	1998	57,528,456	87.2	137,628	418	79.6	8,439,392	14.7	78,873	107	20.4
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	55,896,930	85.7	140,798	397	81.2	9,354,951	16.7	101,684	92	14.3
	2001	54,368,182	83.3	141,584	384	80.2	10,883,699	20.0	114,565	95	16.7
	2002	53,962,682	82.8	145,845	370	78.2	11,214,681	20.8	108,880	103	17.2
	2003	52,171,784	80.0	150,351	347	75.4	13,034,117	25.0	115,346	113	20.0
	2004	52,042,829	79.5	153,973	338	74.1	13,456,158	25.9	114,035	118	20.5
	2005	49,149,127	74.9	156,029	315	71.1	16,444,769	33.5	128,475	128	25.1
	2006	48,533,839	74.0	158,607	306	70.7	17,078,302	35.2	134,475	127	26.0
	2007	46,561,702	71.0	163,374	285	67.2	19,050,439	29.0	137,054	139	32.8
	2008	45,106,416	68.7	167,061	270	64.7	19,997,994	30.7	136,041	147	35.3
	2009	44,581,362	68.5	171,467	260	63.9	20,208,485	31.2	137,473	147	36.1

Area	Year	Total QS Held By Initial Issuees	% held by initial Issuees	Average held by initial	Initial issue for area	% who are initial	Total QS held by new entrant	% of QS held by new entrants	Average QS held by new entrants	New Entrants for area	% who are new entrants
W. YAKUTAT	2010	44,793,064	70.0	177,048	253	63.9	19,156,952	30.0	133,965	143	36.1
	2011	44,575,260	69.2	181,200	246	62.1	19,824,357	30.8	132,162	150	37.9
	2012	44,043,350	68.1	182,752	241	61.3	20,668,047	31.9	135,974	152	38.7
	2013	43,440,947	67.1	184,072	236	60.8	21,270,450	32.9	139,937	152	39.2
	2014	42,847,125	66.3	192,140	223	59.3	21,827,408	33.7	142,663	153	40.7
	1995	51,120,475	97.2	130,743	391	93.1	1,476,794	2.8	50,924	29	6.9
	1996	50,017,543	94.3	149,306	335	85.5	3,010,683	5.7	52,819	57	14.5
	1997	49,333,311	92.9	175,563	281	80.3	3,783,309	7.1	54,831	69	19.7
	1998	48,134,112	90.5	181,638	265	77.7	5,073,113	9.5	66,751	76	22.3
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	48,929,155	92.6	202,187	242	81.2	3,891,717	7.4	69,495	56	7.4
	2001	48,129,396	91.1	203,938	236	80.0	4,691,476	8.9	79,517	59	8.9
	2002	47,549,362	89.8	207,639	229	78.7	5,391,273	10.2	86,956	62	10.2
	2003	46,960,049	88.9	216,406	217	77.0	5,845,189	11.1	89,926	65	11.1
	2004	46,419,230	88.5	224,247	207	75.5	6,008,343	11.5	89,677	67	11.5
	2005	46,213,852	88.2	234,588	197	73.5	6,197,486	11.8	87,289	71	11.8
	2006	46,388,675	87.1	244,151	190	73.6	5,984,692	11.2	88,010	68	11.2
	2007	46,107,428	86.6	260,494	177	70.2	6,265,939	12.0	83,546	75	12.0
	2008	45,687,068	87.2	273,575	167	70.2	6,101,828	11.8	85,941	71	11.8
	2009	45,889,043	88.6	278,115	165	69.9	5,899,853	11.4	83,097	71	11.4
	2010	45,582,460	88.7	284,890	160	69.9	5,821,661	11.3	84,372	69	30.1
	2011	44,911,080	86.6	291,630	154	67.5	6,962,659	13.4	94,090	74	32.5
	2012	44,700,382	86.1	296,029	151	66.5	7,210,498	13.9	94,875	76	33.5
	2013	44,844,465	86.3	298,963	150	66.7	7,138,322	13.7	95,178	75	33.3
	2014	44,489,956	85.6	306,827	145	65.6	7,492,831	14.4	98,590	76	34.4
C. GULF	1995	105,094,376	97.6	189,701	554	93.6	2,540,934	2.4	66,867	38	6.4
	1996	104,898,351	95.4	214,956	488	88.2	5,099,495	4.6	78,454	65	11.8
	1997	101,161,444	91.2	246,735	410	82.7	9,712,414	8.8	112,935	86	17.3
	1998	99,611,419	89.7	255,414	390	81.4	11,421,004	10.3	128,326	89	18.6
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	100,031,697	92.6	269,627	371	84.3	7,989,970	7.4	115,797	69	7.4
	2001	96,505,256	90.8	271,846	355	81.8	9,773,074	9.2	123,710	79	9.2
	2002	95,297,720	89.7	276,225	345	81.0	10,977,134	10.3	135,520	81	10.3
	2003	92,117,002	87.3	280,845	328	77.5	13,351,424	12.7	140,541	95	12.7
	2004	91,484,529	87.2	285,889	320	76.4	13,383,826	12.8	135,190	99	12.8
	2005	91,967,903	87.7	299,570	307	76.4	12,900,429	12.3	135,794	95	12.3
	2006	90,751,062	87.3	304,534	298	75.4	13,243,054	12.7	136,526	97	12.7
	2007	89,091,279	85.7	314,810	283	73.5	14,253,196	13.8	139,737	102	13.8
	2008	88,240,374	85.4	329,255	268	72.0	14,943,594	14.5	143,688	104	14.5
	2009	88,717,133	86.0	334,782	265	72.4	15,048,358	14.5	148,994	101	14.5
	2010	84,945,066	84.0	330,526	257	71.0	16,188,289	16.0	154,174	105	29.0
	2011	84,451,997	83.3	341,911	247	70.2	16,883,972	16.7	160,800	105	29.8
	2012	83,022,440	81.8	344,491	241	68.1	18,461,653	18.2	163,377	113	31.9
	2013	82,744,128	81.4	355,125	233	66.8	18,864,698	18.6	162,627	116	33.2
	2014	80,958,161	79.5	363,041	223	64.5	20,839,737	20.5	169,429	123	35.5
W. GULF	1995	34,657,516	98.5	169,890	204	94.0	539,326	1.5	41,487	13	6.0
	1996	33,084,728	92.4	173,218	191	90.5	2,708,574	7.6	135,429	20	9.5
	1997	32,135,348	89.4	197,149	163	82.7	3,799,891	10.6	111,762	34	17.3
	1998	31,439,519	87.5	212,429	148	79.1	4,511,493	12.5	115,679	39	20.9
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	30,644,782	91.3	214,299	143	84.1	2,934,109	8.7	108,671	27	8.7

Area	Year	Total QS Held By Initial Issuees	% held by initial Issuees	Average held by initial	Initial issue for area	% who are initial	Total QS held by new entrant	% of QS held by new entrants	Average QS held by new entrants	New Entrants for area	% who are new entrants
	2001	29,847,364	90.3	214,729	139	81.7	3,190,739	9.7	102,927	31	9.7
	2002	29,960,653	91.0	221,931	135	82.3	2,981,225	9.0	102,801	29	9.0
	2003	28,810,079	87.0	218,258	132	78.6	4,299,454	13.0	119,429	36	13.0
	2004	29,714,087	89.7	221,747	134	80.2	3,395,920	10.3	102,907	33	10.3
	2005	28,870,604	87.2	218,717	132	79.0	4,238,847	12.8	121,110	35	12.8
	2006	28,646,219	87.4	223,799	128	78.0	4,135,290	12.6	114,869	36	12.6
	2007	26,833,743	81.9	223,615	120	74.5	6,057,544	18.4	52,819	41	18.4
	2008	24,849,933	75.6	216,086	115	71.0	7,690,838	23.6	54,831	47	23.6
	2009	24,939,008	76.6	228,798	109	69.0	7,948,108	24.2	66,751	49	24.2
	2010	20,495,844	88.7	193,357	106	67.5	9,012,678	30.5	176,719	51	32.5
	2011	20,118,541	68.2	199,193	101	66.9	9,384,276	31.8	187,686	50	33.1
	2012	20,287,312	67.8	207,013	98	65.8	9,639,630	32.2	189,012	51	34.2
	2013	19,815,210	66.8	213,067	93	63.3	9,843,009	33.2	182,278	54	36.7
	2014	19,957,981	67.3	214,602	93	63.7	9,705,943	32.7	183,131	53	36.3
BERING SEA	1995	17,027,736	96.8	130,983	130	94.2	571,066	3.2	71,383	8	5.8
	1996	17,070,758	92.7	135,482	126	93.3	1,350,271	7.3	150,030	9	6.7
	1997	16,612,071	89.3	140,780	118	90.1	1,990,327	10.7	153,102	13	9.9
	1998	14,632,484	78.7	130,647	112	87.5	3,954,992	21.3	247,187	16	12.5
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	14,566,793	93.8	140,065	104	91.2	965,524	6.2	96,552	10	6.2
	2001	13,753,796	88.6	138,927	99	89.2	1,763,966	11.4	146,997	12	11.4
	2002	12,284,359	83.2	134,993	91	85.0	2,487,029	16.8	155,439	16	16.8
	2003	9,061,189	69.1	114,699	79	76.7	4,055,815	30.9	168,992	24	30.9
	2004	8,057,981	61.3	103,307	78	75.7	5,080,545	38.7	203,222	25	38.7
	2005	7,626,906	58.1	96,543	79	75.2	5,511,277	41.9	211,972	26	41.9
	2006	7,085,493	54.7	95,750	74	71.8	5,871,664	45.3	202,471	29	45.3
	2007	6,756,739	52.1	97,924	69	68.3	6,200,418	47.9	52,819	32	47.9
	2008	6,519,423	50.3	101,866	64	66.0	6,360,069	49.4	54,831	33	49.4
	2009	7,421,879	57.6	119,708	62	67.4	5,824,221	44.0	66,751	30	44.0
	2010	7,286,119	88.7	125,623	58	65.2	6,901,964	48.6	222,644	31	34.8
	2011	6,881,858	88.7	125,125	55	61.8	6,941,174	50.2	204,152	34	38.2
	2012	6,677,524	49.0	130,932	51	60.0	6,941,175	51.0	204,152	34	40.0
	2013	6,800,877	49.5	138,793	49	59.0	6,941,176	50.5	204,152	34	41.0
	2014	6,800,877	49.5	138,793	49	59.0	6,941,177	50.5	204,152	34	41.0
ALEUTIANS	1995	29,184,860	97.7	249,443	117	93.6	678,469	2.3	84,809	8	6.4
	1996	29,211,688	93.9	243,431	120	92.3	1,892,172	6.1	189,217	10	7.7
	1997	28,129,408	89.2	262,892	107	86.3	3,388,768	10.8	199,339	17	13.7
	1998	26,845,632	85.2	285,592	94	79.0	4,672,544	14.8	186,902	25	21.0
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	27,639,438	97.7	317,695	87	88.8	644,038	2.3	58,549	11	2.3
	2001	26,441,289	95.2	343,393	77	85.6	1,321,476	4.8	101,652	13	4.8
	2002	23,735,412	85.9	325,143	73	81.1	3,908,039	14.1	229,885	17	14.1
	2003	20,317,563	74.3	298,788	68	78.2	7,043,119	25.7	370,690	19	25.7
	2004	19,934,535	73.0	297,530	67	75.3	7,380,379	27.0	335,472	22	27.0
	2005	18,937,362	74.3	282,647	67	73.6	6,539,741	25.7	272,489	24	25.7
	2006	15,494,812	64.0	245,949	63	70.8	8,709,696	36.0	334,988	26	36.0
	2007	14,159,222	58.5	235,987	60	70.6	10,377,107	42.3	415,084	25	42.3
	2008	11,329,458	46.2	195,335	58	69.9	11,782,704	51.0	471,308	25	51.0
	2009	9,326,238	40.4	158,072	59	71.1	10,708,189	53.4	446,175	24	53.4
	2010	9,279,882	88.7	165,712	56	68.3	10,083,514	52.1	387,827	26	31.7
	2011	8,519,297	46.1	163,833	52	64.2	9,946,346	53.9	342,977	29	35.8
	2012	7,760,246	100.0	165,112	47	61.8	0	0.0	0	29	38.2

Area	Year	Total QS Held By Initial Issuees	% held by initial Issuees	Average held by initial	Initial issue for area	% who are initial	Total QS held by new entrant	% of QS held by new entrants	Average QS held by new entrants	New Entrants for area	% who are new entrants
	2013	7,765,550	100.0	168,816	46	61.3	0	0.0	0	29	38.7
	2014	7,665,210	100.0	174,209	44	60.3	0	0.0	0	29	39.7

The table also shows the amount and percentage of sablefish QS held year end by new entrants to the area. Note that a new entrant in one area may have initially received sablefish QS in some other area(s). The table provides the number of new entrants to each area their average QS holdings, and the percentage these new entrants represent of all QS holders.

The number of initial issuees who still held QS declined in all areas from 1995 through 2014. By the end of 2014, the average percentage of QS holders of all years who were new entrants to the area ranged from 50.5% of the QS holders in the Bering Sea area to 14.4 % of the QS holders in the West Yakutat area. Similarly, by the end of 2014, new entrants to the area held between 34.3 % of the available QS in the West Yakutat area to 41% in the Bering Sea area. These data indicate significant numbers of new persons have been able to enter the sablefish fishery after initial allocation.

## 12 Sablefish: Changes in Landing and Delivery Patterns

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This chapter examines harvest and delivery patterns in the sablefish fishery. The first table shows time-series data that compare deliveries from 1995 through 2014. Tables also show the number of persons who recorded landings, including the seasons before and after implementation of the IFQ program. Other tables show quarterly harvest data, the harvest by QS holder, residence, and finally, a comparison of harvests by QS owners with harvests by hired skippers. Information in this chapter may be confused with ex-vessel price data found in chapter 15 to desire ex-vessel of the fisheries.

### 12.1 Deliveries by State, Census Area, Annual Quarter, and Residency

Tables 12-1 and 12-2 contain Alaska harvest data from 1995 through 2014 by place of delivery. The 1995 through 2014 data come from NMFS-RAM IFQ databases and include commercial harvests in the IFQ fishery only. All harvests in the CDQ fisheries were also excluded.

Table 12-1 classifies 1995 to 2014 sablefish harvests based upon where the catch was delivered. Harvests attributed to WPR data sources from 1991 to 1994 were placed in the “catcher/processor” category. The remaining 1991 to 1994 harvest was classified depending upon whether the deliveries were made in Alaska or in other states.

Harvest data for 1995-2014 were analyzed similarly to 1991-1994 data even though they come from a different source. Catcher/processor harvest from 1995-2014 was identified from the NMFS-RAM Registered Buyers file, the ADF&G Intent to Operate file, and ADF&G fish tickets.<sup>56</sup>

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<sup>56</sup> This was a complicated exercise. Information sources from ADF&G were necessary because the NMFS-RAM Registered Buyers file lacks precise characterization of buying operations, especially catcher/sellers and catcher/processors. For example, registered buyers are allowed to indicate several processor types on their permit form, but the corresponding electronic data entry form only contains space for one processor type and data entry personnel must make a choice on which processor type is entered. Consequently, there were numerous operations which were labelled as catcher/sellers (catchers who sell *unprocessed* fish) on the NMFS-RAM system, but which were classified as catcher/processors on the ADF&G system. Since the ADF&G system has a more strict methodology of assigning processor type, and since a number of these entities had large harvests (some exceeding 300,000 pounds), it was deemed prudent to use the ADF&G data to identify catcher/processors. State processor codes from fish ticket data were also used to augment the NMFS-RAM Registered Buyers file. Most processors on the NMFS-RAM Registered Buyers file have been assigned state processor codes; however, individuals sometimes do not list their state processor codes when they fill out their Registered Buyers permit forms. When state processor codes were missing from the NMFS-RAM Registered Buyers file, it was possible to find state processor codes for some of the registered buyers by linking to specific fish tickets with NMFS-RAM IFQ harvest data by pre-printed fish ticket number.

The final step in this procedure was to hand review the names and addresses and harvest amounts of each processor within each category.

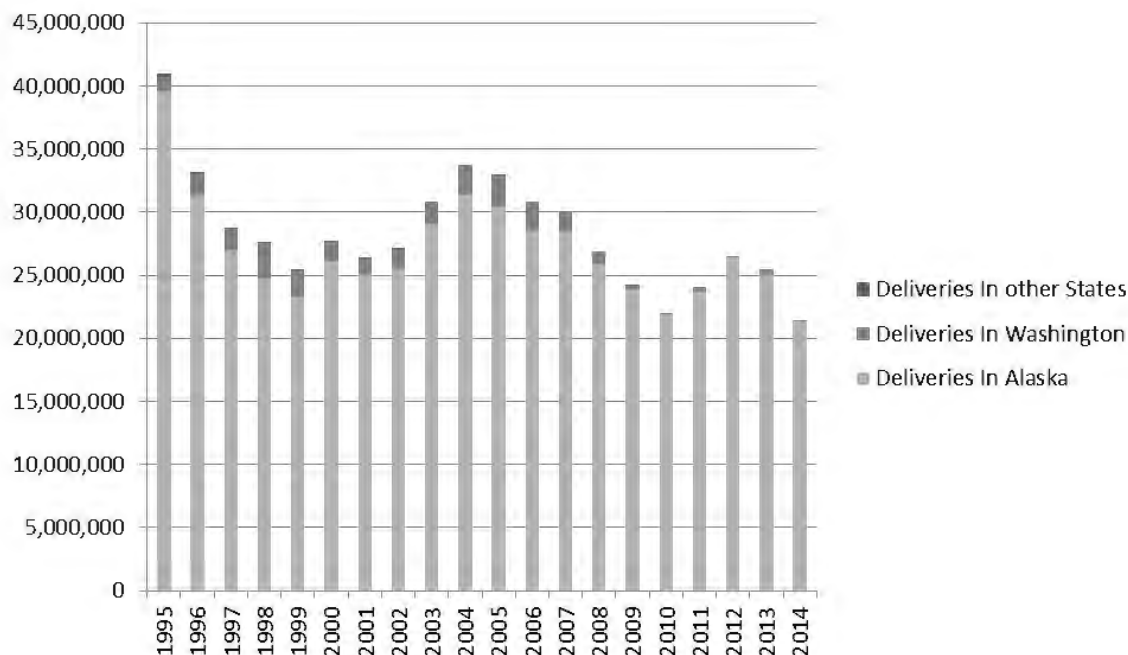
Other 1995-2014 harvest was classified based upon whether the deliveries were made in Alaska or in other states.

Table 12-1 shows small variations in delivery patterns from 1991 to 2014 with respect to the percentage of the sablefish delivered to Alaskan ports or to ports outside Alaska. However, total harvests over the time period have declined significantly. The 2014 statewide harvest of sablefish was the smallest of any year in the time series; consequently, the pounds of sablefish delivered to Alaskan ports and other ports were considerably lower than other years. Again, the 1995 through 2014 harvest data include only the commercial catch in the IFQ fishery.

**Table 12-1. Alaska Sablefish Deliveries (pounds), by State of Delivery, 1995-2014**

Year	Total Harvest (pounds)	Deliveries In Alaska	Percent Of Total	Deliveries In Washington	Percent Of Total	Deliveries In other States	Percent Of Total
1995	40,935,864	39,594,337	96.7	1,103,217	2.7	238,310	2.1
1996	33,196,479	31,258,176	94.2	1,685,325	5.1	252,978	1.8
1997	28,651,250	26,979,477	94.2	1,657,854	5.8	13,919	1.6
1998	27,636,101	24,762,355	89.6	2,740,491	11.1	133,255	1.3
1999	25,410,370	23,351,064	91.9	2,053,711	8.1	5,595	.02
2000	27,624,505	26,083,896	94.4	1,540,609	5.6	900	0.00
2001	26,355,159	25,110,044	95.3	1,243,399	4.7	1,716	0.01
2002	27,091,941	25,534,159	94.3	1,553,975	5.7	3,807	0.01
2003	30,838,900	29,001,176	94.0	1,837,724	6.0	0	0.0
2004	33,695,316	31,424,348	93.3	2,270,968	6.7	0	0.0
2005	32,877,746	30,476,818	92.7	2,390,811	7.3	10,117	0.03
2006	30,849,437	28,615,241	92.8	2,234,196	7.2	0	0.0
2007	30,080,328	28,441,459	94.6	1,638,869	5.4	0	0.0
2008	26,872,648	25,850,082	96.2	1,022,566	3.8	0	0.0
2009	24,202,405	23,908,584	98.8	293,821	1.2	7,688	0.03
2010	21,952,388	21,922,496	99.9	29,892	0.1	0	0.0
2014	24,041,223	23,726,536	98.7	314,687	1.3	0	0.0
2012	26,551,349	26,405,166	99.4	146,183	0.6	0	0
2013	25,479,833	25,013,139	98.2	466,694	1.8	0	0
2014	21,414,917	21,382,828	99.9	32,089	0.1	0	0

Note: Harvest figures from 1995 through 2014 are for commercial harvests in the IFQ fishery. Harvests in the CDQ fisheries are excluded.



**Figure 3. Sablefish Deliveries (pounds), by State of Delivery, 1995-2014**

Table 12-2 breaks out the Alaskan deliveries in Table 12-1 and apportions them to reporting areas based upon Alaskan areas or combinations of areas.<sup>57</sup> Lower TACs in the sablefish fishery have contributed to an overall decrease in the total amount of pounds of sablefish delivered after 1994. Delivery patterns have also varied since the inception of the IFQ program and these changes may or may not have been related to the program. For example, the percentage of total harvest that was delivered to the Ketchikan/Prince of Wales, Wrangell/Petersburg, and Skagway/Yakutat/Angoon areas declined after 1994, whereas the percentage of total deliveries in the Sitka/Juneau/Haines and Kenai Peninsula / Anchorage aggregated areas appears to have increased after 1994.

**Table 12-2. Sablefish Deliveries (pounds), by Alaska Place of Delivery: 1991-2014**

Alaska Area	Year	Pounds Delivered	Percent of Total Harvest
Ketchikan / Prince of Wales	1991	1,499,252	3.3%
	1992	1,084,597	2.6%
	1993	1,253,704	3.3%
	1994	1,783,025	4.9%
	1995	659,842	2.0%
	1996	663,452	2.0%

<sup>57</sup> It is necessary to aggregate some census areas to preserve confidential delivery data.

Alaska Area	Year	Pounds Delivered	Percent of Total Harvest
	1997	484,246	1.7%
	1998	473,457	1.7%
	1999	364,955	1.4%
	2000	293,674	1.1%
	2001	307,584	1.2%
	2002	220,832	0.8%
	2003	204,858	0.7%
	2004	113,338	0.3%
	2005	83,279	0.3%
	2006	62,979	0.2%
	2007	101,250	0.3%
	2008	94,602	0.4%
	2009	57,604	0.2%
	2010	58,775	0.3%
	2011	81,569	0.3%
	2012	38,768	0.2%
	2013	62,363	0.3%
	2014	35,634	0.2%
Wrangell-Petersburg Area	1991	2,219,025	4.9%
	1992	2,923,296	7.1%
	1993	3,266,984	8.5%
	1994	4,030,771	11.1%
	1995	2,024,982	6.2%
	1996	1,757,858	5.3%
	1997	1,240,980	4.3%
	1998	943,670	3.4%
	1999	965,587	3.8%
	2000	1,090,700	3.9%
	2001	1,061,556	4.0%
	2002	1,337,805	4.9%
	2003	1,344,162	4.4%
	2004	1,408,206	4.2%
	2005	1,313,498	4.0%
	2006	1,369,586	4.4%
	2007	1,281,329	4.3%
	2008	1,281,665	4.8%
	2009	991,584	4.1%
	2010	823,322	3.8%
	2011	998,777	4.2%
	2012	1,326,768	5.4%

Alaska Area	Year	Pounds Delivered	Percent of Total Harvest
	2013	1,168,658	5.1%
	2014	1,071,284	6.0%
Sitka / Juneau / Haines Area	1991	3,916,241	8.7%
	1992	3,842,141	9.3%
	1993	3,595,039	9.4%
	1994	5,661,772	15.6%
	1995	6,030,924	18.6%
	1996	5,372,676	16.2%
	1997	4,919,060	17.2%
	1998	5,340,560	19.3%
	1999	4,565,094	18.0%
	2000	5,024,144	18.2%
	2001	4,650,110	17.6%
	2002	4,510,175	16.6%
	2003	5,448,325	17.7%
	2004	6,222,977	18.5%
	2005	6,278,302	19.1%
	2006	5,270,341	17.1%
	2007	5,282,362	17.6%
	2008	4,733,731	17.6%
	2009	4,458,800	18.4%
	2010	4,989,768	22.7%
	2011	3,941,194	16.4%
	2012	5,199,393	21.3%
	2013	5,250,553	23.0%
	2014	4,591,814	25.6%
Skagway-Yakutat-Angoon Area	1991	6,115,837	13.6%
	1992	5,993,468	14.5%
	1993	7,739,549	20.1%
	1994	7,850,543	21.6%
	1995	5,548,055	17.1%
	1996	3,767,543	11.3%
	1997	3,234,288	11.3%
	1998	2,570,430	9.3%
	1999	2,368,087	9.3%
	2000	2,307,281	8.4%
	2001	2,426,187	9.2%
	2002	2,111,879	7.8%
	2003	1,786,068	5.8%

Alaska Area	Year	Pounds Delivered	Percent of Total Harvest
	2004	1,443,945	4.3%
	2005	2,062,272	6.3%
	2006	2,249,300	7.3%
	2007	2,454,627	8.2%
	2008	1,715,047	6.4%
	2009	1,605,616	6.6%
	2010	1,598,580	7.3%
	2011	1,847,966	4.9%
	2012	2,034,824	8.3%
	2013	1,944,318	8.5%
	2014	151,880	
Valdez-Cordova Area	1991	3,267,057	7.3%
	1992	2,555,694	6.2%
	1993	2,202,364	5.7%
	1994	1,954,723	5.4%
	1995	1,709,629	5.3%
	1996	1,285,453	3.9%
	1997	1,246,654	4.4%
	1998	945,608	3.4%
	1999	922,525	3.6%
	2000	1,124,320	4.1%
	2001	1,412,482	5.4%
	2002	1,317,775	4.9%
	2003	1,922,951	6.2%
	2004	2,108,783	6.3%
	2005	2,631,025	8.0%
	2006	1,424,342	4.6%
	2007	1,551,357	5.2%
	2008	1,573,122	5.9%
	2009	1,567,687	6.5%
	2010	1,252,648	5.7%
	2011	1,406,515	5.9%
	2012	1,050,838	4.3%
	2013	1,298,179	7.2%
	2014	763,396	3.3%
Kenai Peninsula / Anchorage Area	1991	13,291,830	29.6%
	1992	10,333,650	25.0%
	1993	10,166,782	26.4%

Alaska Area	Year	Pounds Delivered	Percent of Total Harvest
	1994	8,226,662	22.6%
	1995	10,201,382	31.4%
	1996	8,890,290	26.8%
	1997	7,803,330	27.2%
	1998	8,037,530	29.1%
	1999	7,854,651	30.9%
	2000	8,413,090	30.5%
	2001	7,250,035	27.5%
	2002	8,083,442	29.8%
	2003	9,131,721	29.6%
	2004	10,923,442	32.4%
	2005	8,875,900	27.0%
	2006	8,508,307	27.6%
	2007	7,273,814	24.2%
	2008	6,503,105	24.2%
	2009	5,752,756	23.8%
	2010	4,586,686	20.9%
	2011	5,082,595	21.1%
	2012	5,725,765	23.4%
	2013	5,417,782	23.7%
	2014	5,483,342	30.6%
Kodiak Island Borough	1991	7,560,370	16.8%
	1992	6,423,037	15.6%
	1993	7,642,884	19.9%
	1994	5,523,117	15.2%
	1995	4,235,964	13.0%
	1996	2,654,164	8.0%
	1997	3,635,076	12.7%
	1998	3,051,421	11.0%
	1999	2,636,574	10.4%
	2000	2,499,925	9.0%
	2001	2,619,512	9.9%
	2002	1,922,976	7.1%
	2003	2,247,198	7.3%
	2004	2,763,289	8.2%
	2005	2,937,695	8.9%
	2006	2,781,467	9.0%
	2007	3,485,491	11.6%
	2008	2,621,621	9.8%

Alaska Area	Year	Pounds Delivered	Percent of Total Harvest
	2009	2,807,668	11.6%
	2010	3,006,915	13.7%
	2011	3,045,214	12.7%
	2012	4,224,344	17.3%
	2013	3,818,727	16.7%
	2014	3,051,557	17.0%
Aleutians / Alaska Peninsula Area	1991	5,774,578	12.9%
	1992	4,927,040	11.9%
	1993	1,985,665	5.2%
	1994	1,160,320	3.2%
	1995	3,821,559	11.8%
	1996	2,917,046	8.8%
	1997	2,415,342	8.4%
	1998	2,256,014	8.2%
	1999	3,672,421	14.5%
	2000	5,211,880	18.9%
	2001	5,701,467	21.6%
	2002	6,343,333	23.4%
	2003	7,189,014	23.3%
	2004	7,168,585	21.3%
	2005	6,733,169	20.5%
	2006	7,036,764	22.8%
	2007	7,182,768	23.9%
	2008	6,437,914	24.0%
	2009	4,541,171	18.8%
	2010	4,138,272	18.9%
	2011	4,158,144	20.2%
	2012	4,847,308	19.8%
	2013	3,904,635	17.1%
	2014	2,775,629	15.5%

Table 12-3 presents data on the number of persons with landings and the average pounds landed for each IFQ management area. . It also shows the number of persons who received initial QS allocations in each area.

Sablefish landings are examined in Table 12-3. The number of persons with landings, and Table 12-4 average pounds landed are given for each area for 1995 through 2014.

**Table 12-3. Sablefish landings, by Area, Year, and Quarter: 1995 to 2014**

Area	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Southeast	478	482	444	398	386	390	391	389	382	381	373	367	363	360	357	358	362	357	351	350
W. Yakutat	285	289	261	238	232	218	206	217	199	198	194	181	181	178	219	220	219	218	219	216
C. Gulf	439	386	363	337	315	311	304	284	290	284	282	287	292	284	330	339	335	335	343	334
W. Gulf	118	121	119	105	98	100	95	106	105	101	98	106	98	91	120	126	126	123	129	126
Bering Sea	79	75	63	55	54	60	52	56	55	51	60	59	51	56	57	51	57	50	60	48
Aleutians	73	75	66	46	52	57	48	49	54	47	46	44	35	41	44	44	50	47	40	37

**Table 12-4 Average Landings in the Sablefish Fishery from 1995 to 2014**

Area	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Southeast	24,873	20,312	17,963	18,652	17,874	20,764	19,383	18,806	21,071	22,145	21,773	21,907	21,637	21,091	17,000	15,803	17,824	19,268	19,583	16,913
W. Yakutat	27,953	21,091	18,967	19,578	16,961	19,424	18,786	17,063	22,191	24,620	25,693	23,889	24,254	22,770	15,565	14,072	17,475	19,436	17,832	15,056
C. Gulf	31,812	30,610	30,165	31,912	30,882	28,273	30,577	33,685	38,798	44,764	44,672	38,733	37,201	33,749	26,479	23,391	24,699	29,142	27,533	24,632
W. Gulf	33,232	29,524	25,588	28,713	31,246	31,059	35,667	36,485	40,319	46,463	42,708	42,543	41,759	35,103	23,591	21,993	21,812	22,815	22,071	19,375
Bering Sea	12,433	9,375	9,089	10,542	11,593	11,428	15,322	20,891	21,960	22,573	20,462	27,270	34,707	26,240	26,240	21,230	18,516	21,218	13,305	8,879
Aleutians	26,070	15,563	17,229	19,448	21,044	31,137	36,449	34,898	36,415	44,347	45,361	35,043	45,955	34,591	37,730	32,176	33,684	38,428	40,286	31,053

Table 12-5 indicates that in the Southeast, West Yakutat, and Central Gulf areas, the majority of IFQ permit holders with landings were using QS owned by persons from Alaska. The majority of IFQ permit holders with landings in the Western Gulf, Bering Sea, and Aleutian Islands were using QS owned by persons from Washington. Washington QS holders were also credited with the majority of the pounds harvested in all areas and years except the Central Gulf in 1995 and 2014 and in all years from 1995 to 2014 in Southeast. Persons from states other than Alaska or Washington were credited with relatively small amounts of the harvest in each area.

Table 12-5 classifies 1995-2014 sablefish harvests by area, year, and state of residence of the QS owner. Note that the count of persons with landings in this table represents the number of unique IFQ permit holders with landings. An IFQ permit holder may or may not own the QS they are fishing. For example, a QS owner can hire a skipper to fish their IFQ for them, or they may lease their QS to another person. In Table 12-4, "persons with landings" counts the number of unique IFQ permit holders, and their harvests have been assigned to the residence of the QS owner.

**Table 12-5 Harvests by area, year, and state of residence of the QS owner**

Area	Year	State of Residence of QS Owner	Total Harvest	Percent of Area Harvest	Persons With Landings	Pct. of Total Persons	Average Annual Harvest
Southeast	1995	Alaska	7,841,621	66	319	67.2	24,582
		Washington	3,427,926	28.8	135	28.4	25,392
		Other	619,871	5.2	21	4.4	29,518
			-----		-----		
			11,889,418		475		
	1996	Alaska	6,599,180	67.4	321	67.3	20,558
		Washington	2,682,861	27.4	133	27.9	20,172
		Other	508,402	5.2	23	4.8	22,104
			-----		-----		
			9,790,443		477		
	1997	Alaska	5,215,966	65.4	281	65.3	18,562
		Washington	2,331,771	29.2	128	29.8	18,217
		Other	427,817	5.4	21	4.9	20,372
			-----		-----		
			7,975,554		430		
	1998	Alaska	4,737,668	63.8	247	64.5	19,181
		Washington	2,264,455	30.5	115	30	19,691
		Other	421,304	5.7	21	5.5	20,062
			-----		-----		
			7,423,427		383		
	1999	Alaska	4,496,985	65.3%	247	64.0%	18,206
		Washington	2,042,982	29.7%	121	31.3%	16,884
		Other	1,999	0.0%	18	4.7%	0
			-----		-----		
			6,883,339		386		

Area	Year	State of Residence of QS Owner	Total Harvest	Percent of Area Harvest	Persons With Landings	Pct. of Total Persons	Average Annual Harvest
	2000	Alaska	7,495,096	96.3%	389	96.5%	19,268
		Washington	291,517	3.7%	14	3.5%	20,823
		Other		0.0%		0.0%	0
			-----		-----		
			7,786,613		403		
	2001	Alaska	6,942,029	95.8%	383	96.5%	18,125
		Washington	305,593	4.2%	13	3.3%	23,507
		Other	1,716	0.0%	1	0.3%	1,716
			-----		-----		
			7,249,338		397		
	2002	Alaska	6,746,992	95.4%	386	95.8%	17,479
		Washington	322,460	4.6%	16	4.0%	20,154
		Other	1,427	0.0%	1	0.2%	1,427
			-----		-----		
			7,070,879		403		
	2003	Alaska	7,444,584	95.9%	380	48.0%	19,591
		Washington	319,115	4.1%	9	1.1%	35,457
		Other					0
			-----		-----		
			7,763,699		792		
	2004	Alaska	7,495,096	96.3%	380	97.7%	19,724
		Washington	291,517	3.7%	9	2.3%	32,391
		Other					
			-----		-----		
			7,786,613		389		
	2005	Alaska	7,509,984	96.5%	363	97.1%	20,689
		Washington	276,081	3.5%	11	2.9%	25,098
		Other					
			-----		-----		
			7,786,065		374		
	2006	Alaska	7,446,801	96.6%	356	97.0%	20,918
		Washington	264,605	3.4%	11	3.0%	24,055
		Other					
			-----		-----		
			7,711,406		367		
	2007	Alaska	7,130,427	96.9%	353	97.2%	20,200
		Washington	226,278	3.1%	10	2.8%	22,628
		Other		0		0	
			-----		-----		
			7,356,705		363		
	2008	Alaska	6,858,414	96.8%	348	96.7%	19,708
		Washington	228,183	3.2%	12	3.3%	19,015
		Other		0		0	
			-----		-----		

Area	Year	State of Residence of QS Owner	Total Harvest	Percent of Area Harvest	Persons With Landings	Pct. of Total Persons	Average Annual Harvest
	2009	Alaska	7,086,597		360		
		Washington	6,068,130	100.0%	357	99.7%	16,998
		Other	895	0.0%	1	0.3%	895
			-----	0		0	
	2010		6,069,025		358		
		Alaska	5,650,019	99.9%	358	98.9%	15,782
		Washington	7,397	0.1%	4	1.1%	1,849
		Other		0			
	2011		-----		362		
		Alaska	6,316,726	97.9%	361	99.2%	17,498
		Washington	135,433	2.1%	3	0.8%	45,144
		Other		0			
	2012		-----		364		
		Alaska	6,711,112	99.9%	345	98.9%	19,452
		Washington	7,631	0.1%	4	1.1%	1,908
		Other		0			
	2013		-----		349		
		Alaska	6,647,410	97.7%	335	99.1%	19,843
		Washington	154,562	2.3%	3	0.9%	51,521
		Other		0			
	2014		-----		338		
		Alaska	5,725,588	99.8%	336	99.4%	17,040
		Washington	9,558	0.2%	2	0.6%	4,779
		Other		0			
			-----		338		
	1995	Alaska	2,726,073	34.2	150	53.4	18,174
		Washington	4,605,397	57.8	105	37.4	43,861
		Other	635,118	8	26	9.3	24,428
			-----		281		
	1996	Alaska	7,966,588				
		Alaska	2,064,312	33.9	147	52.3	14,043
		Washington	3,605,995	59.2	113	40.2	31,911
		Other	425,062	7	21	7.5	20,241
	1997		-----		281		
		Alaska	6,095,369				
		Alaska	1,696,122	34.3	135	52.9	12,564
		Washington	2,921,421	59	105	41.2	27,823

Area	Year	State of Residence of QS Owner	Total Harvest	Percent of Area Harvest	Persons With Landings	Pct. of Total Persons	Average Annual Harvest
W. Yakutat		Other	332,902	6.7	15	5.9	22,193
			-----		-----		
			4,950,445		255		
			-----		-----		
	1998	Alaska	1,612,739	34.6	118	52.2	13,667
		Washington	2,694,728	57.8	90	39.8	29,941
		Other	352,085	7.6	18	8	19,560
			-----		-----		
			4,659,552		226		
	1999	Alaska	1,399,867	35.5%	125	53.0%	11,199
		Washington	2,239,650	56.8%	94	39.8%	23,826
		Other	303,436	7.7%	17	7.2%	17,849
			-----		-----		
			3,942,953		236		
	2000	Alaska	4,072,715	96.2%	236	93.7%	17,257
		Washington	160,774	3.8%	15	6.0%	10,718
		Other	900	0.0%	1	0.4%	900
			-----		-----		
			4,234,389		252		
	2001	Alaska	3,750,812	96.8%	232	93.2%	16,167
		Washington	124,846	3.2%	17	6.8%	7,344
		Other		0.0%	0	0.0%	0
			-----		-----		
			3,875,658		249		
	2002	Alaska	3,621,028	97.8%	245	96.1%	14,780
		Washington	79,245	2.1%	9	3.5%	8,805
		Other	2,380	0.1%	1	0.4%	2,380
			-----		-----		
			3,702,653		255		
	2003	Alaska	4,294,710	97.3%	229	95.8%	18,754
		Washington	121,350	2.7%	10	4.2%	12,135
		Other					0
			-----		-----		
			4,416,060		239		
	2004	Alaska	4,072,715	96.2%	236	93.7%	17,257
		Washington	160,774	3.8%	15	6.0%	10,718
		Other	900	0.0%	1	0.4%	900
			-----		-----		
			4,234,389		252		
	2005	Alaska	4,824,061	96.8%	216	93.1%	22,334
		Washington	160,345	3.2%	16	6.9%	10,022
		Other				0.0%	0
			-----		-----		
			4,984,406		232		
	2006	Alaska	4,191,547	96.5%	210	92.5%	19,960

Area	Year	State of Residence of QS Owner	Total Harvest	Percent of Area Harvest	Persons With Landings	Pct. of Total Persons	Average Annual Harvest
W. Yakutat		Washington	150,195	3.5%	17	7.5%	8,835
		Other	0	0		0.0%	0
	2007		-----		-----		
			4,341,742		227		
		Alaska	4,274,833	97.4%	213	92.6%	20,070
		Washington	115,152	2.6%	17	7.4%	6,774
		Other	-----		-----		
			4,389,985		230		
	2008	Alaska	3,989,886	98.4%	213	95.5%	18,732
		Washington	63,111	1.6%	10	4.5%	6,311
		Other	-----		-----		
			4,052,997		223		
	2009	Alaska	3,374,794	99.0%	218	96.9%	15,481
		Washington	33,928	1.0%	7	3.1%	4,847
		Other	-----		-----		
			3,408,722		225		
	2010	Alaska	3,082,784	99.6%	220	98.7%	14,013
		Washington	13,086	0.4%	3	1.3%	4,362
		Other	-----	0	-----		
			3,095,870		223		
	2011	Alaska	3,798,252	99.2%	218	97.8%	17,423
		Washington	28,801	0.8%	5	2.2%	5,760
		Other	-----	0	-----		
			3,827,053		223		
	2012	Alaska	4,109,151	99.8%	193	98.0%	21,291
		Washington	6,398	0.2%	4	2.0%	1,600
		Other	-----	0	-----		
			4,115,549		197		
	2013	Alaska	3,728,418	98.9%	186	97.9%	20,045
		Washington	43,066	1.1%	4	2.1%	10,767
		Other	-----	0	-----		
			3,771,484		190		
	2014	Alaska	3,071,876	99.3%	177	97.3%	17,355
		Washington	22,531	0.7%	5	2.7%	4,506
		Other	-----		-----		
			3,094,407		182		

Area	Year	State of Residence of QS Owner	Total Harvest	Percent of Area Harvest	Persons With Landings	Pct. of Total Persons	Average Annual Harvest
C. Gulf	1995	Alaska	5,586,565	40	263	59.8	21,242
		Washington	6,827,064	48.9	134	30.5	50,948
		Other	1,551,751	11.1	43	9.8	36,087
	1996		-----		-----		
			13,965,380		440		
		Alaska	4,946,704	41.9	230	60.1	21,507
	1997	Washington	5,953,167	50.4	125	32.6	47,625
		Other	915,481	7.7	28	7.3	32,696
			-----		-----		
	1998		11,815,352		383		
		Alaska	4,627,198	42.3	211	59.8	21,930
		Washington	5,549,763	50.7	115	32.6	48,259
	1999	Other	772,786	7.1	27	7.6	28,622
			-----		-----		
			10,949,747		353		
	2000	Alaska	4,855,073	45.1	199	61.6	24,397
		Washington	5,106,747	47.5	102	31.6	50,066
		Other	792,604	7.4	22	6.8	36,027
	2001		-----		-----		
			10,754,424		323		
		Alaska	4,359,680	44.7%	182	59.1%	23,954
	2002	Washington	4,722,621	48.4%	104	33.8%	45,410
		Other	678,440	7.0%	22	7.1%	30,838
			-----		-----		
	2003		9,760,741		308		
		Alaska	9,512,423	94.8%	334	96.8%	28,480
		Washington	524,629	5.2%	11	3.2%	47,694
	2004	Other	-----		-----		
			10,037,052		345		
		Alaska	8,768,049	94.3%	334	95.7%	26,252
	2005	Washington	527,455	5.7%	15	4.3%	35,164
		Other	-----		-----		
			9,295,504		349		
	2006	Alaska	9,173,672	95.8%	328	96.8%	27,969
		Washington	397,461	4.2%	11	3.2%	36,133
		Other	-----		-----		
	2007		9,571,133		339		
		Alaska	10,549,810	93.8%	335	98.2%	31,492
		Washington	701,692	6.2%	6	1.8%	116,949
		Other	-----		-----		
	2008		11,251,502		341		
		Alaska	9,512,423	94.8%	334	96.5%	28,480

Area	Year	State of Residence of QS Owner	Total Harvest	Percent of Area Harvest	Persons With Landings	Pct. of Total Persons	Average Annual Harvest
C.Gulf		Washington	524,629	5.2%	12	3.5%	43,719
		Other	-----		-----		
	2005		10,037,052		346		
		Alaska	11,772,174	93.4%	317	96.4%	37,136
		Washington	825,281	6.6%	12	3.6%	68,773
		Other	-----		-----		
	2006		12,597,455		329		
		Alaska	10,334,993	92.8%	324	96.4%	31,898
		Washington	800,962	7.2%	12	3.6%	66,747
		Other	-----		-----		
	2007		11,135,955		336		
		Alaska	10,266,105	94.5%	328	97.9%	31,299
		Washington	596,708	5.5%	7	2.1%	85,244
		Other	-----		-----		
	2008		10,862,813		335		
		Alaska	9,214,460	95.9%	322	97.9%	28,616
		Washington	397,854	4.1%	7	2.1%	56,836
		Other	-----		-----		
	2009		9,612,314		329		
		Alaska	8,605,115	98.5%	330	98.5%	26,076
		Washington	125,142	1.4%	4	1.2%	31,286
		Other	7,688	0.1%	1	0.3%	7,688
	2010		8,737,945		335		
		Alaska	7,924,808	99.9%	339	99.7%	23,377
		Washington	4,655	0.1%	1	0.3%	4,655
		Other	0	0	0	0	0
	2011		7,929,463		340		
		Alaska	8,215,167	99.3%	334	99.4%	24,596
		Washington	58,961	0.7%	2	0.6%	29,481
		Other	0	0	0	0	0
	2012		8,274,128		336		
		Alaska	9,387,652	100.0%	302	99.7%	31,085
		Washington	84	0.0%	1	0.3%	84
		Other	-----		-----		
			9,387,736		303		

Area	Year	State of Residence of QS Owner	Total Harvest	Percent of Area Harvest	Persons With Landings	Pct. of Total Persons	Average Annual Harvest
C. Gulf	2013	Alaska	8,957,169	99.2%	304	99.7%	29,464
		Washington	75,158	0.8%	1	0.3%	75,158
		Other	-----		-----		
			9,032,327		305		
	2014	Alaska	7,735,714	100.0%	294	100.0%	26,312
		Washington	-----	0.0%	-----	0.0%	0
		Other	-----		-----		
			7,735,714		294		
W. Gulf	1995	Alaska	809,122	20.6	42	35	19,265
		Washington	2,607,130	66.5	62	51.7	42,050
		Other	505,105	12.9	16	13.3	31,569
			-----		-----		
			3,921,357		120		
	1996	Alaska	835,011	23.4	44	37	18,978
		Washington	2,303,369	64.5	63	52.9	36,561
		Other	433,987	12.1	12	10.1	36,166
			-----		-----		
			3,572,367		119		
	1997	Alaska	692,750	22.8	44	38.3	15,744
		Washington	2,005,476	65.9	61	53	32,877
		Other	346,760	11.4	10	8.7	34,676
			-----		-----		
			3,044,986		115		
	1998	Alaska	714,040	23.7	39	37.1	18,309
		Washington	1,963,287	65.1	53	50.5	37,043
		Other	337,547	11.2	13	12.4	25,965
			-----		-----		
			3,014,874		105		
	1999	Alaska	655,271	21.5%	38	38.0%	17,244
		Washington	2,011,210	66.0%	53	53.0%	37,947
		Other	381,303	12.5%	9	9.0%	42,367
			-----		-----		
			3,047,784		100		
	2000	Alaska	2,602,664	83.8%	114	93.4%	22,830
		Washington	503,278	16.2%	8	6.6%	62,910
		Other	-----		-----		
			3,105,942		122		
	2001	Alaska	3,108,650	91.7%	107	93.0%	29,053
		Washington	279,724	8.3%	8	7.0%	34,966
		Other	-----		-----		
			3,388,374		115		

Area	Year	State of Residence of QS Owner	Total Harvest	Percent of Area Harvest	Persons With Landings	Pct. of Total Persons	Average Annual Harvest
W. Gulf	2002	Alaska	3,216,492	82.2%	121	97.6%	26,583
		Washington	695,567	17.8%	3	2.4%	231,856
		Other	-----		-----		
			3,912,059		124		
	2003	Alaska	3,537,895	83.6%	114	94.2%	31,034
		Washington	695,567	16.4%	7	5.8%	99,367
		Other	-----		-----		
			4,233,462		121		
	2004	Alaska	2,602,664	83.8%	114	93.4%	22,830
		Washington	503,278	16.2%	8	6.6%	62,910
		Other	-----		-----		
			3,105,942		122		
	2005	Alaska	3,119,713	77.8%	113	94.2%	27,608
		Washington	887,983	22.2%	7	5.8%	126,855
		Other	-----		-----		
			4,007,696		120		
	2006	Alaska	3,621,543	80.3%	114	93.4%	31,768
		Washington	887,983	19.7%	8	6.6%	110,998
		Other	-----		-----		
			4,509,526		122		
	2007	Alaska	3,402,302	83.1%	117	96.7%	29,080
		Washington	690,057	16.9%	4	3.3%	172,514
		Other	-----		-----		
			4,092,359		121		
	2008	Alaska	2,913,162	91.2%	116	97.5%	25,113
		Washington	281,216	8.8%	3	2.5%	93,739
		Other	-----		-----		
			3,194,378		119		
	2009	Alaska	2,803,372	99.0%	120	99.2%	23,361
		Washington	27,535	1.0%	1	0.8%	27,535
		Other	-----		-----		
			2,830,907		121		
	2010	Alaska	2,771,143	100.0%	126	100.0%	21,993
		Washington	0	0.0%	0	0.0%	0
		Other	0	0	-----		

Area	Year	State of Residence of QS Owner	Total Harvest	Percent of Area Harvest	Persons With Landings	Pct. of Total Persons	Average Annual Harvest
W. Gulf	2011	Alaska	2,771,143		126		
		Washington	2,661,373	96.8%	126	99.2%	21,122
		Other	86,876	3.2%	1	0.8%	86,876
			0	0			
	2012		2,748,249		127		
		Alaska	2,550,753	100.0%	108	100.0%	23,618
		Washington		0.0%		0.0%	0
		Other					
	2013		2,550,753		108		
		Alaska	2,549,109	97.6%	103	99.0%	24,749
		Washington	62,222	2.4%	1	1.0%	62,222
		Other					
Bering Sea	1995		2,611,331		104		
		Alaska	2,203,905	100.0%	106	100.0%	20,792
		Washington		0.0%		0.0%	0
		Other					
	1996		2,203,905		106		
		Alaska	365,720	37.2	27	33.8	13,545
		Washington	565,099	57.5	45	56.3	12,558
		Other	51,352	5.2	8	10	6,419
	1997		982,171		80		
		Alaska	292,755	41.6	27	36	10,843
		Washington	371,832	52.9	41	54.7	9,069
		Other	38,502	5.5	7	9.3	5,500
Bering Sea	1998		703,089		75		
		Alaska	228,855	40	25	40.3	9,154
		Washington	313,804	54.8	33	53.2	9,509
		Other	29,920	5.2	4	6.5	7,480
	1999		572,579		62		
		Alaska	213,867	36.9	21	37.5	10,184
		Washington	340,909	58.8	31	55.4	10,997
		Other	25,021	4.3	4	7.1	6,255
Bering Sea	2000		579,797		56		
		Alaska	197,603	31.5%	14	28.6%	14,115
		Washington	388,350	62.0%	29	59.2%	13,391
		Other	40,796	6.5%	6	12.2%	6,799

Area	Year	State of Residence of QS Owner	Total Harvest	Percent of Area Harvest	Persons With Landings	Pct. of Total Persons	Average Annual Harvest
Bering Sea Cont.	2000		----- 626,749		----- 49		
		Alaska	630,577	92.0%	56	96.6%	11,260
		Washington	55,105	8.0%	2	3.4%	27,553
		Other	-----		-----		
	2001		685,682		58		
		Alaska	795,688	99.9%	49	98.0%	16,239
		Washington	1,041	0.1%	1	2.0%	1,041
		Other	-----		-----		
	2002		796,729		50		
		Alaska	1,167,426	99.8%	45	95.7%	25,943
		Washington	2,470	0.2%	2	4.3%	1,235
		Other	-----		-----		
	2003		1,169,896		47		
		Alaska	1,207,792	100.0%	53	100.0%	22,789
		Washington		0.0%		0.0%	#DIV/0!
		Other	-----		-----		
	2004		1,207,792		53		
		Alaska	630,577	92.0%	56	96.6%	11,260
		Washington	55,105	8.0%	2	3.4%	27,553
		Other	-----		-----		
	2005		685,682		58		
		Alaska	1,222,078	99.5%	57	96.6%	21,440
		Washington	5,615	0.5%	2	3.4%	2,808
		Other	-----		-----		
	2006		1,227,693		59		
		Alaska	1,590,333	75.2%	58	96.7%	27,420
		Washington	524,629	24.8%	2	3.3%	262,315
		Other	-----		-----		
	2007		2,114,962		60		
		Alaska	1,767,624	99.9%	52	98.1%	33,993
		Washington	2,408	0.1%	1	1.9%	2,408
		Other	-----		-----		
	2008		1,770,032		53		
		Alaska	1,508,134	100.0%	61	100.0%	24,724
		Washington	0	0.0%	0	0.0%	0
		Other	-----		-----		

Area	Year	State of Residence of QS Owner	Total Harvest	Percent of Area Harvest	Persons With Landings	Pct. of Total Persons	Average Annual Harvest
Bering Sea	2009		----- 1,508,134		----- 61		
		Alaska	1,495,680	100.0%	57	100.0%	26,240
		Washington	0	0.0%	0	0.0%	0
		Other	0		0		
	2010		----- 1,495,680		----- 57		
		Alaska	1,077,990	99.6%	50	98.0%	21,560
		Washington	4,754	0.4%	1	2.0%	4,754
		Other	0	0			
	2011		----- 1,082,744		----- 51		
		Alaska	986,133	99.5%	60	98.4%	16,436
		Washington	4,616	0.5%	1	1.6%	4,616
		Other	0	0			
	2012		----- 990,749		----- 61		
		Alaska	1,002,373	100.0%	46	100.0%	21,791
		Washington		0.0%		0.0%	0
		Other		0			
	2013		----- 1,002,373		----- 46		
		Alaska	775,454	100.0%	52	98.1%	14,913
		Washington	100	0.0%	1	1.9%	100
		Other		0			
	2014		----- 775,554		----- 53		
		Alaska	395,019	100.0%	41	100.0%	9,635
		Washington		0.0%		0.0%	0
		Other		0			
			----- 395,019		----- 41		
Aleutians	1995	Alaska	401,147	21.1	19	26	21,113
		Washington	1,132,752	59.5	43	58.9	26,343
		Other	369,215	19.4	11	15.1	33,565
			----- 1,903,114		----- 73		
	1996	Alaska	306,462	26.3	24	32.9	12,769
		Washington	798,807	68.4	41	56.2	19,483
		Other	61,920	5.3	8	11	7,740
			----- 1,167,189		----- 73		
	1997	Alaska	305,726	26.9	19	29.2	16,091
		Washington	674,078	59.3	38	58.5	17,739

Area	Year	State of Residence of QS Owner	Total Harvest	Percent of Area Harvest	Persons With Landings	Pct. of Total Persons	Average Annual Harvest
Aleutians	1998	Other	157,289	13.8	8	12.3	19,661
			-----		-----		
			1,137,093		65		
		Alaska	295,727	33.1	17	36.2	17,396
		Washington	572,255	64	24	51.1	23,844
	1999	Other	26,641	3	6	12.8	4,440
			-----		-----		
			894,623		47		
		Alaska	372,442	34.0%	13	30.2%	28,649
		Washington	711,778	65.0%	26	60.5%	27,376
	2000	Other	10969	1.0%	4	9.3%	2,742
			-----		-----		
			1,095,189		43		
		Alaska	1,769,521	99.7%	52	98.1%	34,029
		Washington	5,306	0.3%	1	1.9%	5,306
	2001	Other					
			-----		-----		
			1,774,827		53		
		Alaska	1,744,816	99.7%	55	98.2%	31,724
		Washington	4,740	0.3%	1	1.8%	4,740
	2002	Other					
			-----		-----		
			1,749,556		56		
		Alaska	1,608,549	94.1%	45	95.7%	35,746
		Washington	101,451	5.9%	2	4.3%	50,726
	2003	Other					
			-----		-----		
			1,710,000		47		
		Alaska	1,966,385	100.0%	46	100.0%	42,748
		Washington		0.0%		0.0%	0
	2004	Other					
			-----		-----		
			1,966,385		46		
		Alaska	1,769,521	99.7%	52	98.1%	34,029
		Washington	5,306	0.3%	1	1.9%	0
	2005	Other					
			-----		-----		
			1,774,827		53		
		Alaska	2,028,808	97.2%	45	97.8%	45,085
		Washington	57,795	2.8%	1	2.2%	0
	2006	Other					
			-----		-----		
			2,086,603		46		
	2006	Alaska	1,430,024	92.7%	45	95.7%	31,778

Area	Year	State of Residence of QS Owner	Total Harvest	Percent of Area Harvest	Persons With Landings	Pct. of Total Persons	Average Annual Harvest
Aleutians	2007	Washington	111,871	7.3%	2	4.3%	0
		Other	----- 1,541,895		----- 47		
		Alaska	1,600,168	99.5%	36	97.3%	44,449
		Washington	8,266	0.5%	1	2.7%	0
		Other	----- 1,608,434		----- 37		
	2008	Alaska	1,366,026	96.3%	44	97.8%	31,046
		Washington	52,202	3.7%	1	2.2%	0
		Other	----- 1,418,228		----- 45		
		Alaska	1,561,493	94.1%	43	97.7%	36,314
	2009	Washington	98,633	5.9%	1	2.3%	0
		Other	----- 1,660,126		----- 44		
		Alaska	1,415,752	100.0%	44	100.0%	32,176
		Washington	0	0.0%	0	0.0%	0
		Other	0	0	----- 44		
	2010	Alaska	1,415,752	100.0%	50	100.0%	33,684
		Washington	0	0.0%	0	0.0%	0
		Other	0	0	----- 50		
		Alaska	1,071,437	89.0%	40	97.6%	26,786
	2011	Washington	132,070	11.0%	1	2.4%	0
		Other	----- 1,203,507		----- 41		
		Alaska	920,318	87.5%	34	97.1%	27,068
		Washington	131,586	12.5%	1	2.9%	0
		Other	----- 1,051,904		----- 35		
	2012	Alaska	929,243	100.0%	36	100.0%	25,812
		Washington	0	0.0%	0	0.0%	0
		Other	----- 929,243		----- 36		
		Alaska	929,243	100.0%	36	100.0%	25,812
	2013	Washington	0	0.0%	0	0.0%	0
		Other	----- 929,243		----- 36		
		Alaska	929,243	100.0%	36	100.0%	25,812
		Washington	0	0.0%	0	0.0%	0
		Other	----- 929,243		----- 36		

For example, in all management areas except Southeast, an individual who received an initial QS allocation in the catcher vessel categories does not have to be on board the vessel and sign IFQ landing reports if that individual has at least a 20% ownership interest in the vessel on which the IFQ are harvested, and the individual is represented on the vessel by a hired skipper.<sup>58</sup> Because this exemption is confined to initial issuees only, the number of fishing operations where hired skippers are allowed should decrease over time as initial issuees transfer their QS holdings.

Persons who hold freezer vessel QS may use hired skippers to operate the vessels and sign IFQ landing reports in any management area, and they do not have to own the vessel that's used in the fishing operation.<sup>59</sup>

Corporations or partnerships that received an initial catcher vessel QS allocation may use their IFQ if they own the vessel on which the IFQ is fished and they are represented on the vessel by a "master," or skipper, who is an employee of the corporation or partnership. In the Southeast area the corporation or partnership can use a hired skipper to fish only those QS that were received as an initial allocation.<sup>60</sup>

A hired skipper is defined in this analysis as a person who makes a landing and signs an IFQ report for the harvest of someone else's IFQ. It is a common practice in the sablefish fishery for two or more IFQ holders to fish together and harvest each person's IFQ from a single vessel, which is usually owned by one of the partners. If each partner records their delivery using their own IFQ permit card then this does not constitute a "hired skipper" in this analysis.

Some "hired skippers," as identified herein, may actually be *de facto* QS lease arrangements. The regulatory requirement that the initial QS holder own at least 20% of the vessel that is being used to harvest the IFQ was meant to discourage leasing of QS. However, this regulation was only implemented by NMFS-RAM in 1998. In prior years, the regulation was not specific concerning the percentage ownership interest that the QS holder needed to have.

There apparently have been cases where an initial catcher vessel QS holder has purchased a small percentage ownership interest in a vessel and then the skipper of that vessel fished all of the person's IFQ.

While the Council wanted to provide for hired skippers, it did not want to expand the leasing privilege. The Council adopted a proposed regulation for a 20% minimum vessel ownership percentage in September, 1997 in order to constrain this practice. NMFS-RAM, acting on the Council's intent, implemented the rule in 1998.<sup>61</sup>

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<sup>58</sup> See 50 CFR 679.42(i). These new minimum ownership regulations were first implemented by NMFS-RAM in 1998. They also provide for some "grandfathered" privileges whereby some initial QS holders who had used a hired skipper prior to April 17, 1997 can continue to do so, even if their ownership interest is less than 20%.

<sup>59</sup> CFR 679.42 (c) and (i).

<sup>60</sup> See 50 CFR 679.42 (j).

<sup>61</sup> At their September 1997 meeting in Seattle, the Council adopted a proposal requiring initial recipients of catcher vessel QS who wanted to use a designated skipper to hold a 20% ownership interest in any vessel used by their hired skipper. Some "grandfathered" privileges are included in the new rule that will allow some initial QS holders who had used a hired skipper prior to April 17, 1997 to

Table 12-6 provides data on harvests by QS owners and hired skippers. The IFQ program rules allow some QS holders to employ a “hired skipper” to harvest the IFQ associated with their QS.

**TABLE 12-6. SABLEFISH HARVEST BY VESSEL CATEGORY, QS OWNERS AND HIRED SKIPPERS, 1995 TO 2014**

Area	Vessel Category	Year	QS Owners With Landings	Harvest by QS Owners	Owner Harvest % of Total	Hired Skippers With Landings	Harvest by Hired Skipper	Skipper Harvest % of Total	Total Harvest
Southeast	Freezer	1995	23	C	C	2	C	C	1,035,543
		1996	17	409,560	45.1%	12	498,284	54.9%	907,844
		1997	18	356,069	50.9%	10	343,582	49.1%	699,651
		1998	19	327,489	61.5%	12	205,424	38.5%	532,913
		1999	NA	NA	NA	NA	NA	NA	NA
		2000	15	267,190	38.5%	14	427,134	61.5%	694,324
		2001	17	250,903	37.3%	14	421,982	62.7%	672,885
		2002	17	274,724	41.6%	15	386,278	58.4%	661,002
		2003	20	296,550	40.9%	15	429,270	59.1%	725,820
		2004	19	323,012	43.4%	12	420,613	56.6%	743,625
		2005	14	219,264	30.2%	17	505,645	69.8%	724,909
		2006	12	179,463	25.1%	20	536,402	74.9%	715,865
		2007	13	148,539	21.4%	18	546,377	78.6%	694,916
		2008	12	172,883	25.9%	17	494,851	74.1%	667,734
		2009	14	165,163	29.4%	18	396,708	70.6%	561,871
		2010	13	101,859	19.5%	20	419,437	80.5%	521,296
		2011	8	112,887	19.0%	19	482,021	81.0%	594,908
		2012	10	123,775	19.2%	20	522,512	80.8%	646,287
		2013	7	119,628	18.1%	23	540,042	81.9%	659,670
		2014	9	104,601	19.1%	21	444,176	80.9%	548,777
	GT 60 ft.	1995	73	2,261,040	91.2%	12	219,394	8.8%	2,480,434
		1996	71	1,779,938	87.9%	15	245,282	12.1%	2,025,220
		1997	60	1,339,630	82.4%	20	286,418	17.6%	1,626,048
		1998	54	1,128,941	72.8%	23	421,549	27.2%	1,550,490
		1999	NA	NA	NA	NA	NA	NA	NA
		2000	47	1,131,551	71.8%	21	444,880	28.2%	1,576,431
		2001	45	1,015,739	70.4%	21	427,310	29.6%	1,443,049
		2002	49	1,026,070	71.3%	18	413,695	28.7%	1,439,765
		2003	47	1,140,430	74.6%	17	387,455	25.4%	1,527,885
		2004	45	1,226,038	73.5%	17	442,880	26.5%	1,668,918
		2005	50	1,256,074	79.2%	14	329,400	20.8%	1,585,474
		2006	46	1,273,904	80.3%	14	311,571	19.7%	1,585,475
		2007	47	1,196,344	80.2%	14	295,646	19.8%	1,491,990
		2008	50	1,153,316	79.6%	14	296,322	20.4%	1,449,638
		2009	51	986,781	80.5%	15	239,352	19.5%	1,226,133
		2010	50	915,491	79.8%	16	231,212	20.2%	1,146,703
		2011	55	1,070,631	81.0%	13	251,455	19.0%	1,322,086
		2012	56	1,125,806	80.5%	15	273,510	19.5%	1,399,316

continue to use a hired skipper on a vessel where they have a smaller ownership interest. NMFS-RAM began implementing the Council’s intent in 1998. (See page 6, *The IFQ Program: 1998 Report To The Fleet* published by NMFS-RAM in February 1998.) These rules were incorporated into regulations as 50 CFR 679.42 9(i)(1) and 50 CFR 679.42(j).

Area	Vessel Category	Year	QS Owners With Landings	Harvest by QS Owners	Owner Harvest % of Total	Hired Skippers With Landings	Harvest by Hired Skipper	Skipper Harvest % of Total	Total Harvest
W. Yakutat	LE 60 ft.	2013	56	1,112,264	80.4%	13	271,428	19.6%	1,383,692
		2014	56	973,080	79.9%	15	244,153	20.1%	1,217,233
		1995	364	8,164,594	97.5%	11	208,847	2.5%	8,373,441
		1996	356	6,614,785	96.5%	19	242,594	3.5%	6,857,379
		1997	324	5,291,177	93.7%	24	358,678	6.3%	5,649,855
		1998	284	4,912,819	92.0%	23	427,205	8.0%	5,340,024
		1999	NA	NA	NA	NA	NA	NA	NA
		2000	272	5,081,877	92.1%	21	433,981	7.9%	5,515,858
		2001	275	4,739,134	92.3%	19	394,270	7.7%	5,133,404
		2002	274	4,623,216	93.0%	16	346,896	7.0%	4,970,112
		2003	267	5,105,888	92.8%	16	394,502	7.2%	5,500,390
		2004	270	5,350,539	92.9%	18	408,442	7.1%	5,758,981
		2005	260	5,104,744	93.1%	18	379,458	6.9%	5,484,202
		2006	256	5,052,503	93.4%	17	357,563	6.6%	5,410,066
		2007	248	4,828,801	93.4%	15	340,998	6.6%	5,169,799
		2008	243	4,645,935	93.5%	15	323,290	6.5%	4,969,225
		2009	245	4,003,396	93.5%	14	277,625	6.5%	4,281,021
		2010	247	3,728,256	93.5%	14	260,924	6.5%	3,989,180
		2011	248	4,245,055	93.6%	12	290,110	6.4%	4,535,165
		2012	244	4,518,567	93.5%	14	314,365	6.5%	4,832,932
		2013	237	4,511,776	93.5%	14	315,618	6.5%	4,827,394
		2014	234	3,890,724	93.7%	15	262,735	6.3%	4,153,459
	Freezer	1995	14	544,644	85.8%	5	90,003	14.2%	634,647
		1996	8	185,531	37.0%	14	316,425	63.0%	501,956
		1997	6	135,228	35.6%	13	244,516	64.4%	379,744
		1998	10	176,112	49.0%	11	182,935	51.0%	359,047
		1999	NA	NA	NA	NA	NA	NA	NA
		2000	6	111,162	32.5%	13	230,711	67.5%	341,873
		2001	5	98,759	30.6%	16	223,525	69.4%	322,284
		2002	6	94,028	31.2%	14	206,874	68.8%	300,902
		2003	5	115,851	31.6%	13	251,279	68.4%	367,130
		2004	5	69,905	18.2%	13	314,380	81.8%	384,285
		2005	4	90,537	21.7%	12	326,943	78.3%	417,480
		2006	4	67,493	19.2%	12	283,528	80.8%	351,021
		2007	6	86,079	24.0%	14	272,754	76.0%	358,833
		2008	5	70,676	21.4%	17	259,650	78.6%	330,326
		2009	6	70,027	25.2%	13	207,740	74.8%	277,767
		2010	4	62,039	24.5%	14	190,677	75.5%	252,716
		2011	4	62,357	20.3%	15	244,462	79.7%	306,819
		2012	3	C	C	17	C	C	355,778
		2013	3	C	C	17	C	C	323,681
		2014	3	C	C	15	C	C	274,126
	GT 60 ft.	1995	85	4,564,866	93.1%	18	336,107	6.9%	4,900,973
		1996	82	2,816,256	75.6%	32	910,370	24.4%	3,726,626
		1997	62	1,607,730	53.2%	42	1,415,752	46.8%	3,023,482
		1998	52	1,063,474	37.4%	44	1,780,529	62.6%	2,844,003
		1999	NA	NA	NA	NA	NA	NA	NA
		2000	47	903,931	34.7%	50	1,698,589	65.3%	2,602,520
		2001	47	774,360	32.9%	50	1,577,602	67.1%	2,351,962
		2002	49	861,211	38.1%	52	1,399,248	61.9%	2,260,459
W. Yakutat Cont.	GT 60 ft. Cont.	2003	49	1,064,100	39.9%	48	1,603,407	60.1%	2,667,507
		2004	46	1,180,546	39.5%	45	1,807,691	60.5%	2,988,237

Area	Vessel Category	Year	QS Owners With Landings	Harvest by QS Owners	Owner Harvest % of Total	Hired Skippers With Landings	Harvest by Hired Skipper	Skipper Harvest % of Total	Total Harvest
C. Gulf	LE 60 ft.	2005	41	944,181	31.1%	53	2,094,896	68.9%	3,039,077
		2006	44	829,450	31.6%	49	1,796,308	68.4%	2,625,758
		2007	43	837,449	31.4%	50	1,828,694	68.6%	2,666,143
		2008	44	773,624	31.3%	48	1,701,271	68.7%	2,474,895
		2009	42	550,613	26.6%	51	1,522,668	73.4%	2,073,281
		2010	40	489,436	26.0%	51	1,389,886	74.0%	1,879,322
		2011	40	562,084	24.1%	46	1,770,414	75.9%	2,332,498
		2012	43	620,845	24.0%	50	1,962,815	76.0%	2,583,660
		2013	44	587,148	24.8%	46	1,780,099	75.2%	2,367,247
		2014	40	514,654	26.2%	47	1,452,068	73.8%	1,966,722
		1995	156	2,249,591	92.5%	10	181,377	7.5%	2,430,968
		1996	140	1,490,069	79.8%	23	376,718	20.2%	1,866,787
		1997	122	1,019,102	65.9%	31	528,117	34.1%	1,547,219
		1998	104	925,366	63.5%	30	531,136	36.5%	1,456,502
		1999	NA	NA	NA	NA	NA	NA	NA
		2000	90	770,572	59.7%	36	519,424	40.3%	1,289,996
		2001	84	765,271	64.0%	34	430,401	36.0%	1,195,672
		2002	90	717,880	62.9%	34	423,412	37.1%	1,141,292
		2003	80	857,449	62.1%	35	523,974	37.9%	1,381,423
		2004	83	902,071	60.1%	34	600,091	39.9%	1,502,162
		2005	73	836,207	54.7%	39	691,642	45.3%	1,527,849
		2006	64	699,300	51.9%	37	647,773	48.1%	1,347,073
		2007	63	647,688	47.4%	39	717,321	52.6%	1,365,009
		2008	60	579,950	46.5%	38	667,826	53.5%	1,247,776
		2009	62	517,399	48.9%	34	540,228	51.1%	1,057,627
		2010	58	449,870	46.7%	38	513,962	53.3%	963,832
		2011	64	612,639	51.9%	36	567,954	48.1%	1,180,593
		2012	61	663,105	51.1%	37	634,604	48.9%	1,297,709
		2013	61	601,634	49.5%	37	612,745	50.5%	1,214,379
		2014	60	451,462	44.6%	35	559,698	55.4%	1,011,160
	Freezer	1995	24	1,489,651	75.4%	9	485,382	24.6%	1,975,033
		1996	13	392,844	23.3%	22	1,295,053	76.7%	1,687,897
		1997	7	266,451	18.0%	22	1,214,622	82.0%	1,481,073
		1998	10	429,493	27.5%	24	1,130,777	72.5%	1,560,270
		1999	NA	NA	NA	NA	NA	NA	NA
		2000	6	180,208	11.4%	25	1,401,590	88.6%	1,581,798
		2001	6	115,597	8.0%	26	1,326,750	92.0%	1,442,347
		2002	6	181,892	12.2%	25	1,312,143	87.8%	1,494,035
		2003	5	145,297	8.2%	27	1,626,281	91.8%	1,771,578
		2004	3	C	C	28	1,906,335	95.8%	1,990,603
		2005	3	C	C	33	1,884,237	95.9%	1,965,461
		2006	5	83,774	4.8	30	1,661,088	95.2%	1,744,862
		2007	5	93,790	5.5%	30	1,597,951	94.5%	1,691,741
		2008	5	80,842	5.5%	33	1,382,951	94.5%	1,463,793
		2009	5	91,667	6.7%	34	1,279,359	93.3%	1,371,026
		2010	6	104,574	8.4%	32	1,139,050	91.6%	1,243,624
		2011	2	65,283	5.0%	30	1,241,435	95.0%	1,306,718
		2012	4	73,009	4.6%	36	1,504,444	95.4%	1,577,453
		2013	6	70,785	4.6%	37	1,470,465	95.4%	1,541,250
		2014	4	32,012	2.5%	41	1,267,277	97.5%	1,299,289
	GT 60 ft.	1995	127	5,892,676	84.2%	32	1,102,099	15.8%	6,994,775
		1996	95	3,443,193	59.9%	49	2,303,697	40.1%	5,746,890
		1997	90	2,555,928	47.6%	60	2,812,318	52.4%	5,368,246

Area	Vessel Category	Year	QS Owners With Landings	Harvest by QS Owners	Owner Harvest % of Total	Hired Skippers With Landings	Harvest by Hired Skipper	Skipper Harvest % of Total	Total Harvest
C. Gulf Cont.	LE 60 ft.	1998	68	1,680,957	32.3%	77	3,525,468	67.7%	5,206,425
		1999	NA	NA	NA	NA	NA	NA	NA
		2000	67	1,668,833	34.8%	75	3,123,835	65.2%	4,792,668
		2001	67	1,207,420	27.4%	67	3,203,793	72.6%	4,411,213
		2002	72	1,463,866	32.0%	66	3,113,364	68.0%	4,577,230
		2003	72	1,737,762	32.4%	68	3,628,897	67.6%	5,366,659
		2004	64	1,964,152	32.4%	69	4,093,362	67.6%	6,057,514
		2005	62	1,805,496	30.0%	70	4,204,217	70.0%	6,009,713
		2006	61	1,484,972	28.1%	76	3,808,279	71.9%	5,293,251
		2007	64	1,411,590	27.2%	78	3,778,170	72.8%	5,189,760
		2008	65	1,215,560	26.2%	77	3,418,932	73.8%	4,634,492
		2009	64	1,102,628	26.7%	72	3,032,991	73.3%	4,135,619
		2010	63	927,295	24.6%	78	2,847,168	75.4%	3,774,463
		2011	64	957,407	24.2%	72	2,994,069	75.8%	3,951,476
		2012	68	1,115,543	23.7%	72	3,594,944	76.3%	4,710,487
		2013	69	952,161	21.4%	73	3,507,307	78.6%	4,459,468
		2014	69	961,086	24.1%	65	3,019,830	75.9%	3,980,916
		1995	227	4,436,448	88.8%	25	559,124	11.2%	4,995,572
		1996	187	3,063,200	69.9%	35	1,317,365	30.1%	4,380,565
		1997	158	2,415,686	58.9%	51	1,684,742	41.1%	4,100,428
		1998	142	1,947,631	48.8%	53	2,040,098	51.2%	3,987,729
		1999	NA	NA	NA	NA	NA	NA	NA
		2000	124	1,703,214	46.5%	58	1,959,123	53.5%	3,662,337
		2001	130	1,593,243	46.3%	49	1,848,701	53.7%	3,441,944
		2002	119	1,647,712	47.1%	47	1,847,605	52.9%	3,495,317
		2003	118	1,852,435	45.0%	55	2,260,830	55.0%	4,113,265
		2004	116	2,064,471	44.3%	56	2,600,521	55.7%	4,664,992
		2005	107	1,933,645	41.8%	59	2,688,636	58.2%	4,622,281
		2006	103	1,576,519	38.7%	66	2,501,710	61.3%	4,078,229
		2007	105	1,359,410	34.1%	69	2,621,902	65.9%	3,981,312
		2008	102	1,208,407	34.7%	63	2,278,134	65.3%	3,486,541
		2009	97	1,104,600	34.2%	65	2,126,567	65.8%	3,231,167
		2010	99	1,005,331	34.5%	68	1,905,762	65.5%	2,911,093
		2011	104	1,040,138	34.7%	61	1,959,980	65.3%	3,000,118
		2012	97	1,291,327	37.2%	62	2,183,180	62.8%	3,474,507
		2013	102	1,274,176	37.0%	63	2,169,046	63.0%	3,443,222
		2014	102	1,242,744	42.2%	53	1,704,003	57.8%	2,946,747
	Freezer	1995	17	1,172,259	74.8%	6	394,913	25.2%	1,567,172
		1996	10	383,507	27.4%	16	1,014,560	72.6%	1,398,067
		1997	4	17,166	1.5%	20	1,138,312	98.5%	1,155,478
		1998	6	80,875	7.0%	21	1,076,662	93.0%	1,157,537
		1999	NA	NA	NA	NA	NA	NA	NA
		2000	4	53,673	4.4%	20	1,156,741	95.6%	1,210,414
		2001	2	C	C	17	1,197,313	C	1,273,411
		2002	5	137,580	9.1%	15	1,369,235	90.9%	1,506,815
		2003	3	C	C	19	C	C	1,685,051
		2004	2	C	C	23	C	C	1,837,347
		2005	1	C	C	16	C	C	1,746,866
		2006	1	C	C	21	C	C	1,716,852
		2007	1	C	C	20	C	C	1,614,873
		2008	0	C	C	18	C	C	1,221,091
		2009	3	C	C	21	C	C	1,087,255
		2010	3	C	C	23	C	C	1,092,069

Area	Vessel Category	Year	QS Owners With Landings	Harvest by QS Owners	Owner Harvest % of Total	Hired Skippers With Landings	Harvest by Hired Skipper	Skipper Harvest % of Total	Total Harvest
Bering Sea	GT 60 ft.	2011	2	C	C	22	C	C	1,083,306
		2012	3	C	C	28	C	C	1,107,592
		2013	3	C	C	27	C	C	1,158,025
		2014	2	C	C	26	C	C	930,526
		1995	45	1,442,395	82.0%	19	315,917	18.0%	1,758,312
		1996	39	1,093,474	69.1%	25	489,097	30.9%	1,582,571
		1997	29	668,181	50.3%	33	660,979	49.7%	1,329,160
		1998	24	541,486	41.3%	36	768,159	58.7%	1,309,645
		1999	NA	NA	NA	NA	NA	NA	NA
		2000	25	644,000	48.4%	31	686,774	51.6%	1,330,774
		2001	20	535,677	35.6%	32	970,342	64.4%	1,506,019
		2002	24	614,615	37.0%	39	1,048,404	63.0%	1,663,019
		2003	25	614,249	34.5%	36	1,167,376	65.5%	1,781,625
		2004	22	600,289	30.1%	38	1,394,406	69.9%	1,994,695
		2005	23	474,897	27.5%	37	1,251,877	72.5%	1,726,774
		2006	20	398,019	20.2%	45	1,571,772	79.8%	1,969,791
		2007	23	411,910	23.0%	34	1,376,299	77.0%	1,788,209
		2008	27	367,963	26.6%	32	1,015,673	73.4%	1,383,636
		2009	34	411,951	33.6%	32	814,777	66.4%	1,226,728
		2010	30	369,660	30.7%	32	833,167	69.3%	1,202,827
		2011	29	368,692	30.7%	34	832,591	69.3%	1,201,283
		2012	28	420,045	34.8%	29	787,962	65.2%	1,208,007
		2013	29	393,366	32.9%	25	803,195	67.1%	1,196,561
		2014	27	364,403	33.8%	32	714,488	66.2%	1,078,891
	LE 60 ft.	1995	28	509,660	85.5%	7	86,213	14.5%	595,873
		1996	25	440,695	74.5%	12	151,034	25.5%	591,729
		1997	23	254,268	45.4%	25	306,080	54.6%	560,348
		1998	18	151,506	27.7%	18	396,186	72.3%	547,692
		1999	NA	NA	NA	NA	NA	NA	NA
		2000	21	196,767	34.8%	17	367,987	65.2%	564,754
		2001	23	214,750	35.3%	16	394,194	64.7%	608,944
		2002	27	255,337	36.6%	16	442,209	63.4%	697,546
		2003	27	311,814	40.7%	15	454,972	59.3%	766,786
		2004	19	248,060	28.8%	15	612,684	71.2%	860,744
		2005	19	188,778	26.5%	17	522,989	73.5%	711,767
		2006	22	320,722	39.0%	19	502,161	61.0%	822,883
		2007	25	307,531	44.6%	17	381,746	55.4%	689,277
		2008	22	315,688	53.5%	13	273,963	46.5%	589,651
		2009	22	303,517	58.7%	12	213,407	41.3%	516,924
		2010	23	299,973	63.0%	12	176,274	37.0%	476,247
		2011	22	250,534	54.0%	12	213,126	46.0%	463,660
		2012	19	239,830	48.9%	14	250,790	51.1%	490,620
		2013	20	279,446	56.7%	13	213,139	43.3%	492,585
		2014	23	237,148	54.9%	12	194,745	45.1%	431,893
	Freezer	1995	13	262,412	64.7%	7	143,446	35.3%	405,858
		1996	4	49,045	18.4%	16	217,171	81.6%	266,216
		1997	3	C	C	15	C	C	224,862
		1998	9	107,924	43.0%	15	143,060	57.0%	250,984
		1999	NA	NA	NA	NA	NA	NA	NA
		2000	3	C	C	24	C	C	336,600
		2001	4	84,562	25.1%	19	252,609	74.9%	337,171
		2002	3	C	C	18	C	C	614,768

Area	Vessel Category	Year	QS Owners With Landings	Harvest by QS Owners	Owner Harvest % of Total	Hired Skippers With Landings	Harvest by Hired Skipper	Skipper Harvest % of Total	Total Harvest
Aleutians	GT 60 ft.	2003	3	C	C	17	C	C	608,484
		2004	1	C	C	19	C	C	457,281
		2005	1	C	C	24	C	C	572,432
		2006	1	C	C	24	C	C	772,942
		2007	0	C	C	20	C	C	895,339
		2008	2	C	C	19	C	C	716,495
		2009	1	C	C	23	C	C	691,968
		2010	1	C	C	22	C	C	391,871
		2011	2	C	C	23	C	C	451,047
		2012	1	C	C	23	C	C	416,851
		2013	0	C	C	17	C	C	303,535
		2014	0	C	C	16	C	C	229,435
		1995	31	392,422	83.3%	8	78,860	16.7%	471,282
		1996	21	131,349	38.0%	22	214,579	62.0%	345,928
		1997	14	124,371	43.5%	19	161,445	56.5%	285,816
		1998	7	44,309	16.6%	19	223,311	83.4%	267,620
		1999	NA	NA	NA	NA	NA	NA	NA
		2000	7	54,123	20.5%	22	209,640	79.5%	263,763
		2001	7	127,756	40.0%	13	191,346	60.0%	319,102
		2002	8	154,747	39.9%	14	233,532	60.1%	388,279
		2003	8	333,371	77.2%	13	98,280	22.8%	431,651
		2004	10	332,236	59.4%	14	227,295	40.6%	559,531
		2005	13	421,742	81.6%	8	95,384	18.4%	517,126
		2006	14	450,665	67.7%	13	214,629	32.3%	665,294
		2007	12	450,636	64.9%	7	243,278	35.1%	693,914
		2008	14	399,909	64.2%	7	222,710	35.8%	622,619
		2009	14	384,759	63.0%	10	225,650	37.0%	610,409
		2010	14	361,746	68.1%	8	169,185	31.9%	530,931
		2011	15	312,570	69.0%	12	140,381	31.0%	452,951
		2012	12	271,526	56.3%	10	210,948	43.7%	482,474
		2013	15	273,239	70.3%	13	115,374	29.7%	388,613
		2014	11	127,649	88.3%	7	16,893	11.7%	144,542
		LE 60 ft.	1995	12	53,093	50.5%	8	51,938	49.5%
	1996		7	27,853	30.6%	8	63,092	69.4%	90,945
	1997		6	14,977	24.2%	8	46,924	75.8%	61,901
	1998		2	C	C	6	C	C	61,193
	1999		NA	NA	NA	NA	NA	NA	NA
	2000		2	C	C	4	C	C	85,319
	2001		5	20,893	14.9%	6	119,563	85.1	140,456
	2002		7	50,765	30.4%	9	116,084	69.6	166,849
	2003		7	58,407	34.8%	11	109,250	65.2%	167,657
	2004		5	22,073	16.4%	5	112,363	83.6%	134,436
	2005		8	41,760	30.2%	8	96,375	69.8%	138,135
	2006		4	88,342	51.8%	7	82,335	48.2%	170,677
	2007		8	98,287	54.4%	7	82,492	45.6%	180,779
	2008		11	92,464	54.7%	7	76,556	45.3%	169,020
	2009		9	108,892	56.3%	8	84,411	43.7%	193,303
	2010		6	64,513	41.2%	7	92,027	58.8%	156,540
	2011		9	48,262	31.9%	11	103,167	68.1%	151,429
	2012		5	57,841	35.8%	8	103,718	64.2%	161,559
	2013		8	48,066	45.3%	10	58,084	54.7%	106,150
	2014		6	29,896	57.2%	5	22,338	42.8%	52,234
	Freezer	1995	8	334,802	30.2%	13	775,095	69.8%	1,109,897

Area	Vessel Category	Year	QS Owners With Landings	Harvest by QS Owners	Owner Harvest % of Total	Hired Skippers With Landings	Harvest by Hired Skipper	Skipper Harvest % of Total	Total Harvest
Aleutians Cont.		1996	5	85,110	13.9%	15	525,601	86.1%	610,711
		1997	3	C	C	15	C	C	656,313
		1998	5	167,846	32.8	15	343,183	67.2%	511,029
		1999	NA	NA	NA	NA	NA	NA	NA
		2000	3	C	C	21	C	C	1,093,512
		2001	1	C	C	19	C	C	845,418
		2002	1	C	C	19	C	C	905,975
		2003	1	C	C	26	C	C	1,253,988
		2004	0	C	C	21	1,296,007	100	1,296,007
		2005	0	C	C	22	1,195,422	100	1,195,422
		2006	1	C	C	20	C	C	914,242
		2007	0	0	0.0%	12	913,600	100.0%	913,600
		2008	0	0	0.0%	16	901,142	100.0%	901,142
		2009	0	0	0.0%	22	978,416	100.0%	978,416
		2010	0	0	0.0%	19	951,900	100.0%	951,900
		2011	0	0	0.0%	19	1,147,669	100.0%	1,147,669
		2012	1	C	C	16	C	C	1,123,735
		2013	0	0	0.0%	17	1,075,471	100.0%	1,075,471
		2014	1	C	C	17	C	C	580,207
	GT 60 ft.	1995	28	619,237	87.1%	9	91,541	12.9%	710,778
		1996	24	310,292	68.7%	17	141,246	31.3%	451,538
		1997	16	200,078	47.1%	22	224,352	52.9%	424,430
		1998	6	108,603	32.7%	17	223,847	67.3%	332,450
		1999	NA	NA	NA	NA	NA	NA	NA
	GT 60 ft.	2000	10	271,724	46.4%	17	314,172	53.6%	585,896
		2001	8	248,387	31.8%	20	532,426	68.2%	780,813
		2002	7	288,680	43.8%	21	370,818	56.2%	659,498
		2003	12	364,444	60.9%	11	234,104	39.1%	598,548
		2004	11	457,181	69.6%	12	200,027	30.4%	657,208
		2005	11	637,592	84.3%	11	118,309	15.7%	755,901
		2006	6	322,027	72.3%	14	123,406	27.7%	445,433
		2007	5	535,412	88.9%	11	66,698	11.1%	602,110
		2008	7	320,315	76.1%	13	100,422	23.9%	420,737
		2009	8	413,517	68.1%	12	194,120	31.9%	607,637
		2010	10	260,267	65.2%	10	139,071	34.8%	399,338
	LE 60 ft.	2011	9	260,433	53.1%	15	229,578	46.9%	490,011
		2012	9	440,265	72.2%	14	169,733	27.8%	609,998
		2013	7	336,594	67.3%	6	163,224	32.7%	499,818
		2014	6	332,554	65.9%	7	172,107	34.1%	504,661
		1995	13	C	C	2	C	C	82,439
		1996	9	62,599	59.7%	7	42,341	40.3	104,940
		1997	6	18,648	33.1%	9	37,702	66.9	56,350
		1998	3	C	C	5	C	C	51,144
		1999	NA	NA	NA	NA	NA	NA	NA
		2000	5	25,904	27.1%	5	69,515	72.9	95,419
		2001	2	C	C	7	C	C	123,325
		2002	4	37,059	25.6	6	107,468	74.4	144,527
		2003	2	C	C	8	C	C	113,849
		2004	3	C	C	4	C	C	131,099
		2005	3	C	C	3	C	C	135,280
		2006	5	57,939	31.8	4	124,281	68.2	182,220
		2007	3	C	C	6	C	C	92,724

Area	Vessel Category	Year	QS Owners With Landings	Harvest by QS Owners	Owner Harvest % of Total	Hired Skippers With Landings	Harvest by Hired Skipper	Skipper Harvest % of Total	Total Harvest
		2008	7	39,011	40.5%	4	57,338	59.5%	96,349
		2009	7	50,482	68.2%	2	23,591	31.8%	74,073
		2010	6	31,046	53.4%	2	27,142	46.6%	58,188
		2011	6	17,567	37.8%	3	28,960	62.2%	46,527
		2012	8	45,873	63.4%	2	26,511	36.6%	72,384
		2013	7	16,148	44.7%	2	19,983	55.3%	36,131
		2014	6	43,852	68.4%	2	20,247	31.6%	64,099

The data indicate a substantial amount of the sablefish harvest was taken by hired skippers, especially in the westward management areas. Note that more restrictive rules in the Southeast area probably kept the number of operations with hired skippers lower than other areas. In the other management areas there has been a considerable increase between 1995 and 2014 in the amount of harvest taken by hired skippers. For example, in 1995 in the Central Gulf, 65 hired skippers were credited with taking 15.4% of the catch. In each following year, the number of hired skippers and their percentage of the catch increased and in 2014 in the Central Gulf 130 hired skippers took 73.7% of the area catch.

NMFS-RAM landing records for corporations or partnerships should show IFQ permit identifiers for hired skippers. However, in some instances, landings records on the NMFS-RAM database show IFQ identifiers for corporations or partnerships rather than employed “masters,” or skippers. Although it is not possible for a non-human corporate entity to actually skipper a vessel, this anomaly makes counting hired skippers on the NMFS data difficult. Therefore, the actual number of hired skippers is probably underestimated in Tables 12-5 and 12-6.

Table 12-6 illustrates the same information as Table 12-5, except it is broken out by vessel category. The table shows that the rate of use of hired skippers and the percent of harvest taken by operations with hired skippers increased from 1995 to 2014 in nearly all vessel categories. Freezer vessels have high rates of use of hired skippers, which is likely related to the more liberal program rules for hired skippers aboard freezer vessels.

## 13 Sablefish: Overharvest and Underharvest of IFQs and TACs

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### 13.1 TACs and Harvests: 1991 to 2014

Table 13-1 provides a comparison of commercial and retained sablefish harvests in each management area with the total allowable catch (TAC) for each year from 1991 through 2014. This table shows the difference, in pounds, between the harvest and TAC and provides the percent of harvested TAC.

The 1991 to 1994 estimated harvests come from a computerized file that contains fish ticket records for catcher vessels and records derived from NMFS's Weekly Production Reports (WPRs) for catcher-processors.<sup>62</sup> Harvest data for 1995 through 2014 comes from NMFS-RAM catch records. Again, both commercial and retained catch have been included in the harvest totals; therefore, harvest totals are slightly different than those shown in Tables 14-1 and 14-2.<sup>63</sup>

The TACs and harvests in Table 13-1 do not include the portion of the TAC allocated to trawl operations. Also excluded are the 1995 to 2014 TACs and harvests allocated to the sablefish CDQ fishery in the Bering Sea and Aleutian Islands.

Table 13-1 indicates that estimated harvests in the 1995 through 2014 IFQ fisheries fell below the TACs in all sablefish management areas except in West Yakutat where the total harvest was slightly over the TAC by .1%. The estimated shortfall ranged from about 0.4% in Southeast in 2014 to 52 % in 2014 in the Aleutian Islands.

Before implementation of the IFQ program in 1995, "overages," or catches that exceeded the TAC, were common in the Southeast, West Yakutat, and Central Gulf areas. In other areas, large underharvests sometimes occurred, particularly when sablefish fisheries were closed after halibut bycatch limits were reached.

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<sup>62</sup>The harvest estimates in table 13-1 may not agree with sablefish harvest estimates from other data sources. Since 1990, State of Alaska fish tickets do not contain all of the sablefish catch; some Exclusive Economic Zone (EEZ) catch may be recorded only on NMFS Weekly Production Reports (WPR). The authors used fish ticket records for catcher vessels and WPR records for catcher-processors to construct the 1991 1994 sablefish catch records in table 13-1. In doing so, the authors excluded fish ticket records from catcher processors. The amount of harvest for a catcherprocessor in a specific management area varies dramatically between fish ticket data and WPR data. Thus, the method of blending data used here may differ from harvest estimates from other methods of blending fish ticket and WPR data.

<sup>63</sup> Under the NMFS IFQ catch reporting system, the entire harvest is required to be offloaded and weighed during the first delivery. If a portion of the catch is "retained" by the IFQ permit holder, it is entered on the catch reporting system as "retained catch." Catch may be retained for personal use or it may be retained to sell to a different processor or customer.

The subsequent sale of retained catch does not result in an additional entry on the NMFS catch reporting system; i.e., the harvest is only recorded once. Nevertheless, the system does not allow a precise breakout of catch that is sold versus catch that is kept for personal use. It is likely that some of the retained catch is subsequently sold and should be included with the commercial harvest.

**TABLE 13-1. COMPARISON OF SABLEFISH TACS AND HARVEST BY MANAGEMENT AREA, 1991 TO 2014**

AREA	YEAR	TOTAL ALLOWABLE CATCH (TAC)	TOTAL AREA HARVEST	DIFFERENCE TAC (-) HARVEST	PERCENT OF TAC HARVESTED
SOUTHEAST	1991	10,367,226	10,848,012	-480,786	104.6%
	1992	10,451,001	10,627,495	-176,494	101.7%
	1993	11,372,532	12,643,296	-1,270,764	111.2%
	1994	14,953,937	14,042,432	911,505	93.9%
	1995	12,985,212	12,007,125	978,087	92.5%
	1996	10,436,188	9,823,345	612,843	94.1%
	1997	8,042,381	7,980,959	61,422	99.2%
	1998	7,687,440	7,598,000	89,440	98.8%
	1999	7,054,720	6,910,643	144,077	98.0%
	2000	7,832,944	7,786,613	46,331	99.4%
	2001	7,407,456	7,249,338	158,118	97.9%
	2002	7,076,766	7,070,879	5,887	99.9%
	2003	7,848,376	7,763,699	84,677	98.9%
	2004	8,311,342	8,172,370	138,972	98.3%
	2005	7,870,422	7,796,182	74,240	99.1%
	2006	7,760,192	7,711,406	48,786	99.4%
	2007	7,429,502	7,356,705	72,797	99.0%
	2008	7,098,812	7,086,597	12,215	99.8%
	2009	6,053,835	5,997,956	55,879	99.1%
	2010	5,687,868	5,657,416	30,452	99.5%
	2011	6,481,524	6,452,159	29,365	99.5%
	2012	6,995,196	6,878,168	117,028	98.3%
	2013	7,032,674	6,873,697	158,977	97.7%
	2014	5,941,397	5,919,469	21,928	99.6%
W. YAKUTAT	1991	8,482,275	10,246,116	-1,763,841	120.8%
	1992	7,833,015	9,944,545	-2,111,530	127.0%
	1993	8,021,510	9,065,405	-1,043,895	113.0%
	1994	10,157,787	11,639,260	-1,481,473	114.6%
	1995	8,586,995	7,989,722	597,273	93.0%
	1996	6,366,885	6,096,859	270,026	95.8%
	1997	5,048,534	4,952,665	95,869	98.1%
	1998	4,795,005	4,671,994	123,011	97.4%
	1999	4,023,395	3,942,953	80,442	98.0%
	2000	4,230,627	4,234,389	-3,762	100.1%
	2001	3,944,029	3,875,658	68,371	98.3%
	2002	3,708,137	3,702,653	5,484	99.9%
	2003	4,466,520	4,416,060	50,460	98.9%
	2004	4,925,076	4,874,684	50,392	99.0%
	2005	5,011,056	4,984,406	26,650	99.5%
	2006	4,387,154	4,341,742	45,412	99.0%
	2007	4,402,586	4,389,985	12,601	99.7%
	2008	4,085,124	4,052,997	32,127	99.2%
	2009	3,432,562	3,401,181	31,381	99.1%
	2010	3,108,486	3,095,870	12,616	99.6%
	2011	3,844,822	3,827,053	17,769	99.5%
	2012	4,356,290	4,237,514	118,776	97.3%
	2013	3,899,937	3,905,307	-5,370	100.1%
	2014	3,295,877	3,252,008	43,869	98.7%
C. GULF	1991	18,651,085	20,331,346	-1,680,261	109.0%

AREA	YEAR	TOTAL ALLOWABLE CATCH (TAC)	TOTAL AREA HARVEST	DIFFERENCE TAC (-) HARVEST	PERCENT OF TAC HARVESTED
	1992	16,878,571	18,112,446	-1,233,875	107.3%
	1993	16,949,119	20,365,049	-3,415,930	120.2%
	1994	19,788,669	14,860,366	4,928,303	75.1%
	1995	15,167,786	14,072,591	1,095,195	92.8%
	1996	12,169,392	11,818,815	350,577	97.1%
	1997	11,305,189	10,961,703	343,486	97.0%
	1998	11,146,458	10,843,975	302,483	97.3%
	1999	9,858,971	9,762,324	96,647	99.0%
	2000	10,105,886	10,037,052	68,834	99.3%
	2001	9,541,509	9,295,504	246,005	97.4%
	2002	9,576,782	9,571,133	5,649	99.9%
	2003	11,358,099	11,251,502	106,597	99.1%
	2004	12,874,864	12,713,109	161,755	98.7%
	2005	12,786,680	12,597,455	189,225	98.5%
	2006	11,234,642	11,135,955	98,687	99.1%
	2007	10,917,179	10,862,813	54,366	99.5%
	2008	9,700,240	9,612,314	87,926	99.1%
	2009	8,800,763	8,691,120	109,643	98.8%
	2010	7,954,197	7,929,463	24,734	99.7%
	2011	8,359,843	8,274,128	85,715	99.0%
	2012	10,158,797	9,762,447	396,350	96.1%
	2013	9,770,787	9,443,940	326,847	96.7%
	2014	8,256,227	8,226,952	29,275	99.6%
W. GULF	1991	5,158,811	3,671,681	1,487,130	71.2%
	1992	4,409,240	5,322,280	-913,040	120.7%
	1993	3,580,303	1,540,237	2,040,066	43.0%
	1994	4,038,864	598,492	3,440,372	14.8%
	1995	4,585,610	3,950,818	634,792	86.2%
	1996	3,880,096	3,585,286	294,810	92.4%
	1997	3,280,445	3,045,866	234,579	92.8%
	1998	3,245,171	3,060,082	185,089	94.3%
	1999	3,209,898	3,072,512	137,386	95.7%
	2000	3,245,171	3,105,942	139,229	95.7%
	2001	3,544,997	3,388,374	156,623	95.6%
	2002	3,950,643	3,867,380	83,263	97.9%
	2003	4,532,658	4,233,462	299,196	93.4%
	2004	5,167,582	4,692,786	474,796	90.8%
	2005	4,479,747	4,185,407	294,340	93.4%
	2006	4,709,026	4,509,526	199,500	95.8%
	2007	4,356,290	4,092,359	263,931	93.9%
	2008	3,333,355	3,194,378	138,977	95.8%
	2009	2,892,435	2,779,745	112,690	96.1%
	2010	2,927,709	2,771,143	156,566	94.7%
	2011	2,857,162	2,748,249	108,913	96.2%
	2012	3,139,350	2,806,219	333,131	89.4%
	2013	3,086,440	2,847,171	239,269	92.2%
	2014	2,610,246	2,441,310	168,936	93.5%
BERING SEA	1991	3,417,161	1,878,196	1,538,965	55.0%
	1992	1,543,234	1,249,116	294,118	80.9%
	1993	1,653,465	1,436,788	216,677	86.9%
	1994	595,247	617,692	-22,445	103.8%

AREA	YEAR	TOTAL ALLOWABLE CATCH (TAC)	TOTAL AREA HARVEST	DIFFERENCE TAC (-) HARVEST	PERCENT OF TAC HARVESTED
BERING SEA	1995	1,410,957	998,318	412,639	70.8%
	1996	970,024	703,905	266,119	72.6%
	1997	970,024	572,773	397,251	59.0%
	1998	1,146,392	579,860	566,532	50.6%
	1999	1,181,666	626,749	554,917	53.0%
	2000	1,296,305	685,682	610,623	52.9%
	2001	1,375,670	796,729	578,941	57.9%
	2002	1,701,951	1,169,896	532,055	68.7%
	2003	2,557,336	1,207,792	1,349,544	47.2%
	2004	2,557,336	1,158,053	1,399,283	45.3%
	2005	2,151,690	1,227,693	923,997	57.1%
	2006	2,486,789	1,608,913	877,876	64.7%
	2007	2,627,883	1,770,032	857,851	67.4%
	2008	2,522,062	1,508,134	1,013,928	59.8%
	2009	2,398,605	1,472,668	925,937	61.4%
	2010	2,460,334	1,082,744	1,377,590	44.0%
	2011	2,513,244	1,055,427	1,457,817	42.0%
	2012	1,966,503	1,060,884	905,619	53.9%
	2013	1,393,307	798,298	595,009	57.3%
	2014	1,181,666	426,211	755,455	36.1%
ALEUTIANS	1991	5,291,088	4,234,283	1,056,805	80.0%
	1992	4,960,395	3,145,105	1,815,290	63.4%
	1993	4,299,009	4,263,206	35,803	99.2%
	1994	4,629,702	3,069,026	1,560,676	66.3%
	1995	2,910,098	1,917,782	992,316	65.9%
	1996	1,587,312	1,168,273	419,039	73.6%
	1997	1,587,312	1,137,281	450,031	71.6%
	1998	1,825,409	895,482	929,927	49.1%
	1999	1,825,409	1,095,189	730,220	60.0%
	2000	3,215,189	1,774,828	1,440,361	55.2%
	2001	3,306,900	1,749,556	1,557,344	52.9%
	2002	3,373,920	1,710,000	1,663,920	50.7%
	2003	4,100,556	1,966,385	2,134,171	48.0%
	2004	4,100,556	2,084,314	2,016,242	50.8%
	2005	3,465,631	2,086,603	1,379,028	60.2%
	2006	3,968,280	1,541,895	2,426,385	38.9%
	2008	3,716,956	1,608,434	2,108,522	43.3%
	2009	2,910,072	1,660,126	1,249,946	57.0%
	2010	2,738,113	1,415,752	1,322,361	51.7%
	2011	2,738,113	1,684,207	1,053,906	61.5%
	2012	2,710,776	1,806,117	904,659	66.6%
	2013	2,830,706	1,611,584	1,219,122	56.9%
	2014	2,394,196	1,148,967	1,245,229	48.0%

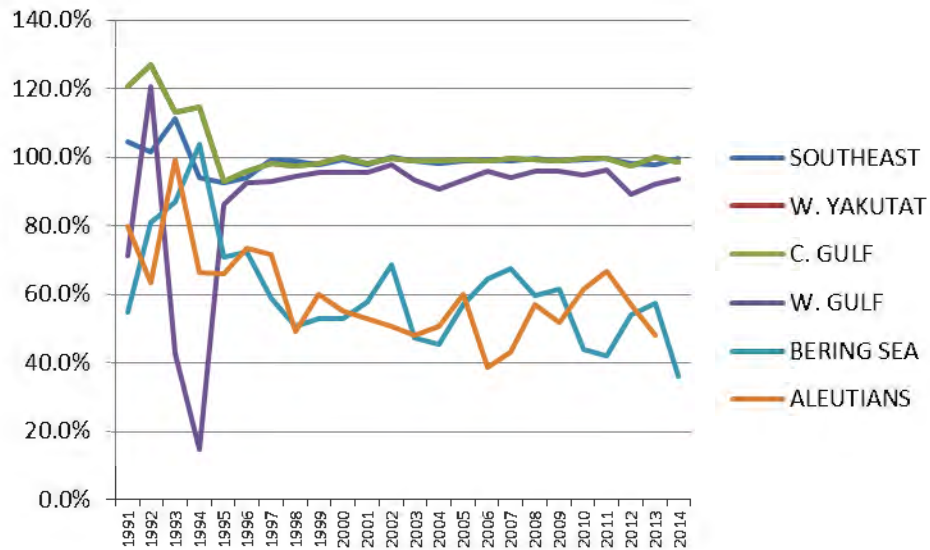


Figure 5, Comparison of sablefish TAC's and Harvest by Management Area, 1991 to 2014

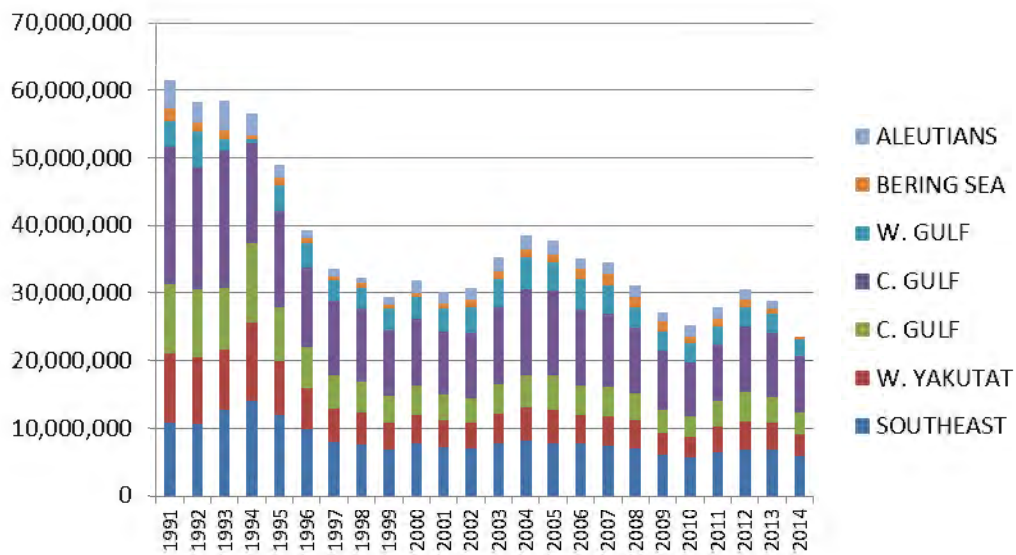


Figure 6. Total sablefish harvest by area and year

## 14 Consolidation of Permit holders on Fishing Operations

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The sablefish IFQ program was expected to reduce the number of fishing operations. Reducing the number of fishing operations can result in more fishing time and greater harvests for the remaining operations. A reduction in the number of fishing operations can also reduce total harvesting costs and increase the net economic value that can be generated by the fishery.

The consolidation of QS holdings is one way that the number of fishing operations is reduced under the IFQ program. This topic was examined in previous chapters. Reductions can also occur on a seasonal basis when IFQ holders combine to fish their IFQ holdings from a single vessel. This chapter examines participation by multiple permit holders upon a single vessel.

Table 14-1 examines harvest and participation by persons and vessels over the 1991 to 2014 time period for *catcher vessels* only. Catcher vessels were chosen because data on CFEC permit holders with landings over the 1991 to 1994 time period were only consistently available for catcher vessels. A “catcher vessel only” subset of observations provided a means to compare average permit holders per vessel prior to the IFQ program with average permit holders per vessel under the IFQ program. The table shows the annual harvest, the number of unique persons and vessels with landings, the number of landing days by persons and vessels, the average number of pounds landed per person and vessel, and the ratio of the number of persons with landings to the number of vessels with landings.

Since 1990, ADF&G fish tickets have not captured all the data on the sablefish catch. Some of the catch from catcher/processors in the Exclusive Economic Zone (EEZ) is only recorded on NMFS’s Weekly Production Reports (WPRs). Weekly Production Reports did not collect information on the CFEC permit holders involved in the landings over the 1991 to 1994 period.

To create a file of catcher vessels only, sablefish catcher/processor activity from 1991 to 1994 was identified on WPRs, and any corresponding activity on these vessels that had been recorded on ADF&G fish tickets was identified and eliminated. Counts of persons with landings are counts of unique CFEC permit holders with landings.

NMFS-RAM catch data were used for 1995 through 2014. These data were made consistent with 1991 to 1994 data by identifying catcher/processor harvest data and eliminating those from the NMFS-RAM catch file. Catcher/processors were identified using a combination of the NMFS-RAM Registered Buyer file, the ADF&G Intent to Operate file, and ADF&G fish tickets.<sup>64</sup> The remaining vessels on the NMFS-RAM file were identified as the catcher vessels for Table 14-1. As a result of this methodology, the 1995 to 2014 harvest by catcher vessels in Table 14-1 will differ somewhat from the 1995 to 2014 data on catcher vessels presented in Table 14-2.<sup>65</sup>

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<sup>64</sup> See Appendix III for more specific details on using these files to create the data set.

<sup>65</sup> There is no requirement under the sablefish IFQ program for a person with harvester/processor (freezer) vessel QS to freeze or process the person's sablefish harvest. In some cases, freezer vessel catch was landed unfrozen to a floating processor or shore-based processor using freezer vessel IFQ. In Table 14-1, this catch is often counted as catcher vessel catch if the vessel was not otherwise identified as a catcher processor. In Table 14-2 the catch was assigned to freezer-processor vessels based upon the type of QS/IFQ used. Thus the catcher vessel catch in Table 14-2 is slightly different than that reported in Table 14-1.

For the 1995 to 2014 period, the counts of persons with landings represent IFQ permit holders with landings as identified on the NMFS-RAM catch data. The reader should be aware that these counts may not be strictly comparable to counts of persons with landings over the 1991 to 1994 time period based upon CFEC permit holders.

The harvest in Table 14-1 includes commercial harvests only in the fixed gear sablefish fisheries. Small amounts of non-commercial catch have been excluded. CDQ harvests from 1995 to 2014 also have been excluded.

**TABLE 14-1. SUMMARY OF 1991-2014 SABLEFISH HARVESTS AND PARTICIPATION**

AREA	YEAR	TOTAL HARVEST (POUNDS)	PERSONS WITH LANDINGS	VESSELS WITH LANDINGS	VESSEL LANDING DAYS	POUNDS PER PERSON	POUNDS PER VESSEL	PERSONS PER VESSEL
SOUTHEAST	1991	10,628,875	458	449	961	23,207	23,672	1.02
	1992	10,554,259	499	507	1,079	21,151	20,817	0.98
	1993	12,576,981	390	391	852	32,249	32,166	1
	1994	14,042,432	488	488	1,272	28,775	28,775	1
	1995	11,985,606	462	378	930	25,943	31,708	1.22
	1996	9,823,345	460	358	913	21,355	27,440	1.28
	1997	7,980,958	420	333	800	19,002	23,967	1.26
	1998	7,598,009	370	301	802	20,535	25,243	1.23
	1999	6,910,643	361	287	744	19,143	24,079	1.26
	2000	7,786,613	374	303	775	20,820	25,698	1.23
	2001	7,249,338	369	290	772	19,646	24,998	1.27
	2002	7,070,879	370	284	723	19,110	24,897	1.30
	2003	7,763,699	359	271	705	21,626	28,648	1.32
	2004	8,172,370	362	271	725	22,576	30,156	1.34
	2005	7,796,182	354	254	730	22,023	30,694	1.39
	2006	7,711,406	348	250	731	22,159	30,846	1.39
	2007	7,356,705	338	247	691	21,765	29,784	1.37
	2008	7,086,597	335	243	630	21,154	29,163	1.38
	2009	6,069,025	342	246	580	17,746	24,671	1.39
	2010	5,657,416	344	257	599	16,446	22,013	1.34
	2011	6,452,159	344	246	591	18,756	26,228	1.40
	2012	6,878,535	346	250	663	19,880	27,514	1.38
	2013	6,873,697	337	240	640	20,397	28,640	1.40
	2014	5,919,469	338	236	592	17,513	25,082	1.43
W. YAKUTAT	1991	9,104,355	211	205	347	43,149	44,411	1.03
	1992	8,795,861	267	266	466	32,943	33,067	1.00
	1993	7,556,136	198	196	343	38,162	38,552	1.01
	1994	10,476,642	246	249	470	42,588	42,075	0.99
	1995	8,010,748	266	228	371	30,116	35,135	1.17
	1996	6,096,858	253	211	344	24,098	28,895	1.20
	1997	4,952,667	244	198	322	20,298	25,013	1.23
	1998	4,672,007	213	179	296	21,934	26,101	1.19

AREA	YEAR	TOTAL HARVEST (POUNDS)	PERSONS WITH LANDINGS	VESSELS WITH LANDINGS	VESSEL LANDING DAYS	POUNDS PER PERSON	POUNDS PER VESSEL	PERSONS PER VESSEL
	1999	3,942,953	208	164	273	18,957	24,042	1.27
	2000	4,234,389	222	190	270	19,074	22,286	1.17
	2001	3,875,658	218	181	280	17,778	21,412	1.20
	2002	3,702,653	223	177	263	16,604	20,919	1.26
	2003	4,416,060	212	169	253	20,830	26,131	1.25
	2004	4,874,684	210	165	283	23,213	29,544	1.27
	2005	4,984,406	204	158	292	24,433	31,547	1.29
	2006	4,341,742	192	156	302	22,613	27,832	1.23
	2007	4,389,985	198	165	296	22,172	26,606	1.20
	2008	4,052,997	194	152	254	20,892	26,664	1.28
	2009	3,408,722	191	155	245	17,847	21,992	1.23
	2010	3,095,870	190	155	253	16,294	19,973	1.23
	2011	3,827,053	188	150	258	20,357	25,514	1.25
	2012	4,237,147	195	152	281	21,729	27,876	1.28
	2013	3,905,307	189	151	268	20,663	25,863	1.25
	2014	3,252,008	180	142	252	18,067	22,901	1.27
C. GULF	1991	19,625,278	469	455	1,142	41,845	43,132	1.03
	1992	16,583,538	618	588	1,538	26,834	28,203	1.05
	1993	16,808,127	470	462	1,120	35,762	36,381	1.02
	1994	11,660,920	572	562	1,162	20,386	20,749	1.02
	1995	14,027,590	411	326	761	34,130	43,029	1.26
	1996	11,818,813	351	290	746	33,672	40,755	1.21
	1997	10,961,702	334	279	679	32,819	39,289	1.20
	1998	10,843,967	302	246	695	35,907	44,081	1.23
	1999	9,762,324	280	228	679	34,865	42,817	1.23
	2000	10,037,052	329	277	720	30,508	36,235	1.19
	2001	9,295,504	322	270	713	28,868	34,428	1.19
	2002	9,571,133	309	263	712	30,975	36,392	1.17
	2003	11,251,502	316	258	718	35,606	43,610	1.22
	2004	12,713,109	316	241	724	40,231	52,751	1.31
	2005	12,597,455	310	243	744	40,637	51,841	1.28
	2006	11,135,955	309	245	737	36,039	45,453	1.26
	2007	10,862,813	316	245	709	34,376	44,338	1.29
	2008	9,612,314	313	233	725	30,710	41,255	1.34
	2009	8,737,945	310	238	641	28,187	36,714	1.30
	2010	7,929,463	314	232	706	25,253	34,179	1.35
	2011	8,274,128	301	230	650	27,489	35,974	1.31
	2012	9,762,447	306	241	736	31,903	40,508	1.27
	2013	9,443,940	309	245	774	30,563	38,547	1.26
	2014	8,226,952	299	239	700	27,515	34,422	1.25
W. GULF	1991	2,849,541	104	102	143	27,399	27,937	1.02
	1992	3,973,089	110	103	223	36,119	38,574	1.07
	1993	602,266	29	29	42	20,768	20,768	1.00
	1994	297,563	18	19	26	16,531	15,661	0.95
	1995	3,950,818	99	86	143	39,907	45,940	1.15
	1996	3,585,286	95	83	164	37,740	43,196	1.14
	1997	3,045,866	98	81	150	31,080	37,603	1.21
	1998	3,060,085	83	69	149	36,868	44,349	1.20
	1999	3,062,083	76	63	134	40,291	48,604	1.21
	2000	3,105,942	112	97	177	27,732	32,020	1.15
	2001	3,388,374	103	89	171	32,897	38,072	1.16
	2002	3,867,380	120	95	209	32,228	40,709	1.26
	2003	4,233,462	117	93	234	36,183	45,521	1.26
	2004	4,692,786	111	94	237	42,277	49,923	1.18
	2005	4,185,407	105	93	180	39,861	45,004	1.13
	2006	4,509,526	117	98	247	38,543	46,016	1.19

AREA	YEAR	TOTAL HARVEST (POUNDS)	PERSONS WITH LANDINGS	VESSELS WITH LANDINGS	VESSEL LANDING DAYS	POUNDS PER PERSON	POUNDS PER VESSEL	PERSONS PER VESSEL
BERING SEA	2007	4,092,359	110	94	207	37,203	43,536	1.17
	2008	3,194,378	103	87	165	31,013	36,717	1.18
	2009	2,830,907	114	89	178	24,833	31,808	1.28
	2010	2,771,143	113	94	219	24,523	29,480	1.20
	2011	2,748,249	109	94	208	25,213	29,237	1.16
	2012	2,806,219	112	93	238	25,056	30,174	1.20
	2013	2,847,171	108	88	244	26,363	32,354	1.23
	2014	2,441,310	112	92	209	21,797	26,536	1.22
	1991	1,372,901	87	84	163	15,780	16,344	1.03
	1992	753,239	77	72	120	9,782	10,462	1.18
	1993	597,064	41	40	133	14,563	14,927	1.11
	1994	289,080	32	31	63	9,034	9,325	1.07
	1995	728,660	65	55	85	11,210	13,248	1.06
	1996	703,905	52	47	116	13,537	14,977	1.17
	1997	572,775	48	45	84	11,933	12,728	1.07
	1998	579,861	35	33	79	16,567	17,572	1.06
	1999	626,749	27	23	81	23,213	27,250	1.17
	2000	685,682	58	54	94	11,822	12,698	1.07
	2001	796,729	51	46	118	15,622	17,320	1.11
	2002	1,169,896	55	53	142	21,271	22,074	1.04
	2003	1,207,792	55	50	173	21,960	24,156	1.10
	2004	1,158,053	53	44	142	21,850	26,319	1.20
	2005	1,227,693	60	51	144	20,462	24,072	1.18
	2006	1,608,913	62	49	147	25,950	32,835	1.27
	2007	1,770,032	53	46	142	33,397	38,479	1.15
	2008	1,508,134	57	48	162	26,458	31,419	1.19
	2009	1,495,680	61	53	193	24,519	28,220	1.15
	2010	1,082,744	58	50	180	18,668	21,655	1.16
	2011	1,055,427	68	59	214	15,521	17,889	1.15
	2012	1,060,884	57	48	175	18,612	22,102	1.19
	2013	798,298	58	46	138	13,764	17,354	1.26
	2014	426,211	43	40	107	9,912	10,655	1.08
ALEUTIANS	1991	1,427,163	48	47	71	29,733	30,365	1
	1992	1,164,629	27	27	63	43,134	43,134	1.00
	1993	650,815	32	33	52	20,338	19,722	1.08
	1994	573,662	33	33	56	17,384	17,384	1.12
	1995	1,917,783	56	53	69	34,246	36,185	1.11
	1996	1,168,272	54	50	84	21,635	23,365	1.08
	1997	1,137,282	56	50	76	20,309	22,746	1.12
	1998	882,172	30	27	61	29,406	32,673	1.11
	1999	1,095,189	36	31	83	30,422	35,329	1.16
	2000	1,774,827	58	48	120	30,600	36,976	1.21
	2001	1,749,556	55	49	135	31,810	35,705	1.12
	2002	1,710,000	56	46	136	30,536	37,174	1.22
	2003	1,966,385	57	52	154	34,498	37,815	1.10
	2004	2,084,314	50	45	124	41,686	46,318	1.11
	2005	2,086,603	48	42	106	43,471	49,681	1.14
	2006	1,541,895	48	39	94	32,123	39,536	1.23
	2007	1,608,434	35	32	77	45,955	50,264	1.09
	2008	1,418,228	45	40	98	31,516	35,456	1.13
	2009	1,660,126	51	45	103	32,551	36,892	1.13
	2010	1,415,752	45	46	102	31,461	30,777	0.98
	2011	1,684,207	48	42	126	35,088	40,100	1.14
	2012	1,806,117	46	38	120	39,263	47,529	1.21
	2013	1,611,420	39	35	90	41,318	46,041	1.11
	2014	1,148,967	38	37	80	30,236	31,053	1.03

Table 14-1 indicates that in all areas the ratio of the number of unique persons with landings to the number of unique vessels with landings rose in 1995 over the 1991-1994 average. This provides some evidence that the practice of multiple persons recording landings off a single vessel has increased since inception of the program. Through 2014, this ratio has remained above the 1991-1994 average in all areas.

Table 14-2 examines 1995 to 2014 sablefish commercial harvests by area and vessel category. This table assigns harvest to a vessel category using the QS/IFQ type used to make landings. The table includes freezer-processors; and as noted above, the catcher vessel data differ somewhat from Table 14-1 due to the different data methodologies used. Again, CDQ harvests have been excluded.

**TABLE 14-2. SUMMARY OF 1995-2014 SABLEFISH HARVEST AND PARTICIPATION BY VESSEL CATEGORY**

AREA	YEAR	VESSEL CATEGORY	TOTAL HARVEST (POUNDS)	PERCENT AREA HARVEST	MEAN HARVEST	PERSONS WITH LANDINGS	PERCENT TOTAL AREA PERSONS
SOUTHEAST	1995	FREEZER	1,035,543	8.7	41,422	25	5.2
		GT 60 FT.	2,480,434	20.9	29,529	84	17.5
		LE 60 FT.	8,373,441	70.4	22,570	371	77.3
			-----			-----	
			11,889,418			480	
	1996	FREEZER	907,844	9.3	34,917	26	5.4
		GT 60 FT.	2,025,220	20.7	24,110	84	17.5
		LE 60 FT.	6,857,379	70	18,584	369	77
			-----			-----	
			9,790,443			479	
	1997	FREEZER	699,651	8.8	26,910	26	5.9
		GT 60 FT.	1,626,048	20.4	21,681	75	17.2
		LE 60 FT.	5,649,855	70.8	16,815	336	76.9
			-----			-----	
			7,975,554			437	
	1998	FREEZER	532,913	7.2	19,033	28	7
		GT 60 FT.	1,550,490	20.9	21,838	71	17.8
		LE 60 FT.	5,340,024	71.9	17,860	299	75.1
			-----			-----	
			7,423,427			398	
	1999	FREEZER	644,455	9.3%	23,016	28	7.2
		GT 60 FT.	1,404,079	20.4%	22,287	63	16.3
		LE 60 FT.	4,851,012	70.3%	16,389	296	76.5
			-----			-----	
			6,899,546			387	
	2000	FREEZER	694,324	8.9%	11,768	59	7.6%
		GT 60 FT.	1,576,431	20.2%	15,608	101	13.0%
		LE 60 FT.	5,515,858	70.8%	8,969	615	79.4%
			-----			-----	
			7,786,613			775	
	2001	FREEZER	672,885	9.3%	11,215	60	7.8%

AREA	YEAR	VESSEL CATEGORY	TOTAL HARVEST (POUNDS)	PERCENT AREA HARVEST	MEAN HARVEST	PERSONS WITH LANDINGS	PERCENT TOTAL AREA PERSONS
		GT 60 FT.	1,443,049	19.9%	16,587	87	11.3%
		LE 60 FT.	5,133,404	70.8%	8,213	625	81.0%
			-----			-----	
			7,249,338			772	
	2002	FREEZER	661,002	9.3%	11,397	58	8.0%
		GT 60 FT.	1,439,765	20.4%	15,650	92	12.7%
		LE 60 FT.	4,970,112	70.3%	8,674	573	79.3%
			-----			-----	
			7,070,879			723	
	2003	FREEZER	725,820	9.3%	23,016	60	8.5%
		GT 60 FT.	1,537,489	19.8%	22,287	88	12.5%
		LE 60 FT.	5,500,390	70.8%	16,389	557	79.0%
			-----			-----	
			7,763,699			705	
	2004	FREEZER	743,625	9.1%	23,016	67	9.2%
		GT 60 FT.	1,668,918	20.4%	22,287	90	12.4%
		LE 60 FT.	5,759,827	70.5%	16,389	568	78.3%
			-----			-----	
			8,172,370			725	
	2005	FREEZER	724,909	9.3%	10,983	66	9.0%
		GT 60 FT.	1,585,474	20.3%	17,423	91	12.5%
		LE 60 FT.	5,485,799	70.4%	9,574	573	78.5%
			-----			-----	
			7,796,182			730	
	2006	FREEZER	715,865	9.3%	10,527	68	9.3%
		GT 60 FT.	1,585,475	20.6%	17,423	91	12.4%
		LE 60 FT.	5,410,066	70.2%	9,458	572	78.2%
			-----			-----	
			7,711,406			731	
	2007	FREEZER	694,916	9.4%	12,192	57	7.8%
		GT 60 FT.	1,491,990	20.3%	15,542	96	13.1%
		LE 60 FT.	5,169,799	70.3%	9,609	538	73.6%
			-----			-----	
			7,356,705			691	
	2008	FREEZER	667,734	9.4%	13,911	48	7.6%
		GT 60 FT.	1,449,638	20.5%	15,757	92	14.6%
		LE 60 FT.	4,969,225	70.1%	10,141	490	77.8%
			-----			-----	
			7,086,597			630	
	2009	FREEZER	561,871	9.3%	10,805	52	9.0%
		GT 60 FT.	1,226,133	20.2%	14,093	87	15.0%
		LE 60 FT.	4,281,021	70.5%	9,708	441	76.0%
			-----			-----	
			6,069,025			580	
	2010	FREEZER	521,296	9.2%	8,145	64	10.7%
		GT 60 FT.	1,146,703	20.3%	12,071	95	15.9%
		LE 60 FT.	3,989,417	70.5%	9,067	440	73.5%
			-----			-----	

AREA	YEAR	VESSEL CATEGORY	TOTAL HARVEST (POUNDS)	PERCENT AREA HARVEST	MEAN HARVEST	PERSONS WITH LANDINGS	PERCENT TOTAL AREA PERSONS
W. YAKUTAT	2011		5,657,416			599	
		FREEZER	594,908	9.2%	13,521	44	7.4%
		GT 60 FT.	1,322,086	20.5%	13,090	101	17.1%
		LE 60 FT.	4,535,165	70.3%	10,169	446	75.5%
	2012		6,452,159			591	
		FREEZER	646,287	10.0%	12,429	52	8.8%
		GT 60 FT.	1,399,316	21.7%	13,455	104	17.6%
		LE 60 FT.	4,832,932	74.9%	9,532	507	85.8%
	2013		6,878,535			663	
		FREEZER	659,670	10.2%	10,814	61	10.3%
		GT 60 FT.	1,386,633	21.5%	12,271	113	19.1%
		LE 60 FT.	4,827,394	74.8%	10,359	466	78.8%
	2014		6,873,697			640	
		FREEZER	548,777	8.5%	10,553	52	8.8%
		GT 60 FT.	1,217,233	18.9%	11,066	110	18.6%
		LE 60 FT.	4,153,459	64.4%	9,659	430	72.8%
	1995		5,919,469			592	
		FREEZER	634,647	8%	35,258	18	6.4
		GT 60 FT.	4,900,973	61.5%	49,505	99	35.1
		LE 60 FT.	2,430,968	30.5%	14,733	165	58.5
	1996		7,966,588			282	
		FREEZER	501,956	8.2	25,098	20	7
		GT 60 FT.	3,726,626	61.1	34,506	108	37.6
		LE 60 FT.	1,866,787	30.6	11,741	159	55.4
	1997		6,095,369			287	
		FREEZER	379,744	7.7	21,097	18	6.7
		GT 60 FT.	3,023,482	61.1	30,235	100	37.5
		LE 60 FT.	1,547,219	31.3	10,384	149	55.8
	1998		4,950,445			267	
		FREEZER	359,047	7.7	19,947	18	7.5
		GT 60 FT.	2,844,003	61	31,253	91	38.1
		LE 60 FT.	1,456,502	31.3	11,204	130	54.4
	1999		4,659,552			239	
		FREEZER	327,993	8.3	16,400	20	8.4%
		GT 60 FT.	2,384,087	60.6	25,363	94	39.7%
		LE 60 FT.	1,222,902	31.1	9,942	123	51.9%
	2000		3,934,982			237	
		FREEZER	341,873	8.1%	18,993	18	6.7%
		GT 60 FT.	2,602,520	61.5%	22,244	117	43.3%

AREA	YEAR	VESSEL CATEGORY	TOTAL HARVEST (POUNDS)	PERCENT AREA HARVEST	MEAN HARVEST	PERSONS WITH LANDINGS	PERCENT TOTAL AREA PERSONS
		LE 60 FT.	1,289,996	30.5%	9,556	135	50.0%
			-----			-----	
			4,234,389			270	
	2001	FREEZER	322,284	8.3%	15,347	21	5.4%
		GT 60 FT.	2,351,962	60.7%	19,278	122	31.5%
		LE 60 FT.	1,201,412	31.0%	8,769	137	35.4%
			-----			-----	
			3,875,658			387	
	2002	FREEZER	300,902	8.1%	15,837	19	4.9%
		GT 60 FT.	2,260,459	61.0%	19,829	114	29.5%
		LE 60 FT.	1,141,292	30.8%	8,779	130	33.6%
			-----			-----	
			3,702,653			387	
	2003	FREEZER	367,130	8.3%	24,475	15	3.9%
		GT 60 FT.	2,667,507	60.4%	24,250	110	28.4%
		LE 60 FT.	1,381,423	31.3%	10,792	128	33.1%
			-----			-----	
			4,416,060			387	
	2004	FREEZER	384,285	7.9%	22,605	17	4.4%
		GT 60 FT.	2,988,237	61.3%	22,986	130	33.6%
		LE 60 FT.	1,502,162	30.8%	11,045	136	35.1%
			-----			-----	
			4,874,684			387	
	2005	FREEZER	417,480	8.4%	26,093	16	5.5%
		GT 60 FT.	3,039,077	61.0%	23,378	130	44.5%
		LE 60 FT.	1,527,849	30.7%	10,465	146	50.0%
			-----			-----	
			4,984,406			292	
	2006	FREEZER	351,021	8.1%	19,501	18	6.0%
		GT 60 FT.	2,626,032	60.5%	18,757	140	46.4%
		LE 60 FT.	1,364,689	31.4%	9,477	144	47.7%
			-----			-----	
			4,341,742			302	
	2007	FREEZER	358,833	8.2%	15,601	23	7.8%
		GT 60 FT.	2,666,143	60.7%	19,604	136	45.9%
		LE 60 FT.	1,365,009	31.1%	9,964	137	46.3%
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			4,389,985			296	
	2008	FREEZER	330,326	8.2%	15,015	22	8.7%
		GT 60 FT.	2,474,895	61.1%	19,959	124	48.8%
		LE 60 FT.	1,247,776	30.8%	11,553	108	42.5%
			-----			-----	
			4,052,997			254	
	2009	FREEZER	277,767	8.1%	14,619	19	7.8%
		GT 60 FT.	2,073,328	60.8%	16,856	123	50.2%
		LE 60 FT.	1,057,627	31.0%	10,268	103	42.0%
			-----			-----	
			3,408,722			245	

AREA	YEAR	VESSEL CATEGORY	TOTAL HARVEST (POUNDS)	PERCENT AREA HARVEST	MEAN HARVEST	PERSONS WITH LANDINGS	PERCENT TOTAL AREA PERSONS
C. GULF	2010	FREEZER	252,716	8.2%	12,636	20	7.9%
		GT 60 FT.	1,879,322	60.7%	15,279	123	48.6%
		LE 60 FT.	963,832	31.1%	8,762	110	43.5%
			-----			-----	
			3,095,870			253	
	2011	FREEZER	306,819	8.0%	15,341	20	7.8%
		GT 60 FT.	2,333,097	61.0%	18,517	126	48.8%
		LE 60 FT.	1,187,137	31.0%	10,599	112	43.4%
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			3,827,053			258	
	2012	FREEZER	355,778	5.5%	13,684	26	4.4%
		GT 60 FT.	2,583,660	40.0%	18,324	141	23.9%
		LE 60 FT.	1,297,709	20.1%	11,383	114	19.3%
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			4,237,147			281	
	2013	FREEZER	323,681	5.0%	14,073	23	3.9%
		GT 60 FT.	2,367,247	36.7%	17,799	133	22.5%
		LE 60 FT.	1,214,379	18.8%	10,843	112	19.0%
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			3,905,307			268	
	2014	FREEZER	274,126	4.2%	13,054	21	3.6%
		GT 60 FT.	1,966,722	30.5%	15,486	127	21.5%
		LE 60 FT.	1,011,160	15.7%	9,723	104	17.6%
			-----			-----	
			3,252,008			252	
	1995	FREEZER	1,975,033	14.1	59,849	33	7.6%
		GT 60 FT.	6,994,775	50.1	44,838	156	35.8%
		LE 60 FT.	4,995,572	35.8	20,225	247	56.7%
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			13,965,380			436	
	1996	FREEZER	1,687,897	14.3	51,148	33	8.5
		GT 60 FT.	5,746,890	48.6	41,345	139	35.9
		LE 60 FT.	4,380,565	37.1	20,375	215	55.6
			-----			-----	
			11,815,352			387	
	1997	FREEZER	1,481,073	13.5	52,895	28	7.6
		GT 60 FT.	5,368,246	49	37,540	143	38.8
		LE 60 FT.	4,100,428	37.4	20,709	198	53.7
			-----			-----	
			10,949,747			369	
	1998	FREEZER	1,560,270	14.5	48,758	32	9
		GT 60 FT.	5,206,425	48.4	37,456	139	39
		LE 60 FT.	3,987,729	37.1	21,555	185	52
			-----			-----	
			10,754,424			356	
	1999	FREEZER	1,575,265	16.2	54,319	29	8.7
		GT 60 FT.	4,607,286	47.4	34,128	135	40.3

AREA	YEAR	VESSEL CATEGORY	TOTAL HARVEST (POUNDS)	PERCENT AREA HARVEST	MEAN HARVEST	PERSONS WITH LANDINGS	PERCENT TOTAL AREA PERSONS
		LE 60 FT.	3,545,344	36.4	20,733	171	51
			-----			-----	
			9,727,895			335	
	2000	FREEZER	1,581,798	15.8%	32,954	48	6.7%
		GT 60 FT.	4,792,668	47.7%	15,071	318	44.2%
		LE 60 FT.	3,662,586	36.5%	10,346	354	49.2%
			-----			-----	
			10,037,052			720	
	2001	FREEZER	1,442,347	15.5%	25,756	56	7.9%
		GT 60 FT.	4,411,213	47.5%	15,424	286	40.1%
		LE 60 FT.	3,441,944	37.0%	9,277	371	52.0%
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			9,295,504			713	
	2002	FREEZER	1,494,035	15.6%	27,164	55	7.7%
		GT 60 FT.	4,577,230	47.8%	15,156	302	42.4%
		LE 60 FT.	3,499,868	36.6%	9,859	355	49.9%
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			9,571,133			712	
	2003	FREEZER	1,771,578	15.7%	31,635	56	7.8%
		GT 60 FT.	5,366,659	47.7%	17,538	306	42.6%
		LE 60 FT.	4,113,265	36.6%	11,554	356	49.6%
			-----			-----	
			11,251,502			718	
	2004	FREEZER	1,990,603	15.7%	38,281	52	7.2%
		GT 60 FT.	6,057,514	47.6%	19,291	314	43.4%
		LE 60 FT.	4,664,992	36.7%	13,031	358	49.4%
			-----			-----	
			12,713,109			724	
	2005	FREEZER	1,965,461	15.6%	32,221	61	8.2%
		GT 60 FT.	6,009,713	47.7%	19,512	308	41.4%
		LE 60 FT.	4,622,281	36.7%	12,326	375	50.4%
			-----			-----	
			12,597,455			744	
	2006	FREEZER	1,744,862	15.7%	29,574	59	8.0%
		GT 60 FT.	5,312,864	47.7%	16,866	315	42.7%
		LE 60 FT.	4,078,229	36.6%	11,235	363	49.3%
			-----			-----	
			11,135,955			737	
	2007	FREEZER	1,691,741	15.6%	30,210	56	7.9%
		GT 60 FT.	5,189,760	47.8%	17,415	298	42.0%
		LE 60 FT.	3,981,312	36.7%	11,215	355	50.1%
			-----			-----	
			10,862,813			709	
	2008	FREEZER	1,491,281	15.5%	17,967	83	11.4%
		GT 60 FT.	4,634,492	48.2%	15,346	302	41.7%
		LE 60 FT.	3,486,541	36.3%	10,255	340	46.9%
			-----			-----	
			9,612,314			725	

AREA	YEAR	VESSEL CATEGORY	TOTAL HARVEST (POUNDS)	PERCENT AREA HARVEST	MEAN HARVEST	PERSONS WITH LANDINGS	PERCENT TOTAL AREA PERSONS
W. GULF	2009	FREEZER	1,371,026	0.16	22,113	62	9.7%
		GT 60 FT.	4,135,619	0.47	15,039	275	42.9%
		LE 60 FT.	3,231,300	0.37	10,629	304	47.4%
			-----			-----	
			8,737,945			641	
	2010	FREEZER	1,243,624	15.7%	18,562	67	9.5%
		GT 60 FT.	3,774,463	47.6%	12,624	299	42.4%
		LE 60 FT.	2,911,376	36.7%	8,563	340	48.2%
			-----			-----	
			7,929,463			706	
	2011	FREEZER	1,306,718	15.8%	21,422	61	9.4%
		GT 60 FT.	3,962,811	47.9%	14,842	267	41.1%
		LE 60 FT.	3,004,599	36.3%	9,331	322	49.5%
			-----			-----	
			8,274,128			650	
	2012	FREEZER	1,577,453	24.4%	17,724	89	15.1%
		GT 60 FT.	4,710,487	73.0%	15,294	308	52.1%
		LE 60 FT.	3,474,507	53.9%	10,249	339	57.4%
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			9,762,447			736	
	2013	FREEZER	1,541,250	23.9%	19,760	78	13.2%
		GT 60 FT.	4,459,468	69.1%	12,889	346	58.5%
		LE 60 FT.	3,443,222	53.4%	9,838	350	59.2%
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			9,443,940			774	
	2014	FREEZER	1,299,289	20.1%	14,278	91	15.4%
		GT 60 FT.	3,980,916	61.7%	13,727	290	49.1%
		LE 60 FT.	2,946,747	45.7%	9,237	319	54.0%
			-----			-----	
			8,226,952			700	
	1995	FREEZER	1,567,172	40	68,138	23	19.2
		GT 60 FT.	1,758,312	44.8	27,910	63	52.5
		LE 60 FT.	595,873	15.2	17,526	34	28.3
			-----			-----	
			3,921,357			120	
	1996	FREEZER	1,398,067	39.1	55,923	25	20.3
		GT 60 FT.	1,582,571	44.3	25,525	62	50.4
		LE 60 FT.	591,729	16.6	16,437	36	29.3
			-----			-----	
			3,572,367			123	
	1997	FREEZER	1,155,478	37.9	50,238	23	18.1
		GT 60 FT.	1,329,160	43.7	21,790	61	48
		LE 60 FT.	560,348	18.4	13,031	43	33.9
			-----			-----	
			3,044,986			127	
	1998	FREEZER	1,157,537	38.4	42,872	27	22.9
		GT 60 FT.	1,309,645	43.4	22,580	58	49.2

AREA	YEAR	VESSEL CATEGORY	TOTAL HARVEST (POUNDS)	PERCENT AREA HARVEST	MEAN HARVEST	PERSONS WITH LANDINGS	PERCENT TOTAL AREA PERSONS
		LE 60 FT.	547,692	18.2	16,597	33	28
			-----			-----	
			3,014,874			118	
	1999	FREEZER	1,213,418	39.6	60,671	20	19.2
		GT 60 FT.	1,317,715	43	24,863	53	51
		LE 60 FT.	530,950	17.3	17,127	31	29.8
			-----			-----	
			3,062,083			104	
	2000	FREEZER	1,210,414	39.0%	44,830	27	15.3%
		GT 60 FT.	1,330,774	42.8%	14,624	91	51.4%
		LE 60 FT.	564,754	18.2%	9,572	59	33.3%
			-----			-----	
			3,105,942			177	
	2001	FREEZER	1,273,411	37.6%	63,671	20	11.7%
		GT 60 FT.	1,506,019	44.4%	15,526	97	56.7%
		LE 60 FT.	608,944	18.0%	11,277	54	31.6%
			-----			-----	
			3,388,374			171	
	2002	FREEZER	1,506,815	39.0%	43,052	35	16.7%
		GT 60 FT.	1,663,019	43.0%	13,975	119	56.9%
		LE 60 FT.	697,546	18.0%	12,683	55	26.3%
			-----			-----	
			3,867,380			209	
	2003	FREEZER	1,685,051	39.8%	48,144	35	15.0%
		GT 60 FT.	1,781,625	42.1%	14,140	126	53.8%
		LE 60 FT.	766,786	18.1%	10,504	73	31.2%
			-----			-----	
			4,233,462			234	
	2004	FREEZER	1,837,347	39.2%	47,111	39	16.5%
		GT 60 FT.	1,994,695	42.5%	15,584	128	54.0%
		LE 60 FT.	860,744	18.3%	12,296	70	29.5%
			-----			-----	
			4,692,786			237	
	2005	FREEZER	1,746,866	41.7%	87,343	20	11.1%
		GT 60 FT.	1,726,774	41.3%	16,929	102	56.7%
		LE 60 FT.	711,767	17.0%	12,272	58	32.2%
			-----			-----	
			4,185,407			180	
	2006	FREEZER	1,716,852	38.1%	36,529	47	19.0%
		GT 60 FT.	1,969,791	43.7%	15,758	125	50.6%
		LE 60 FT.	822,883	18.2%	10,972	75	30.4%
			-----			-----	
			4,509,526			247	
	2007	FREEZER	1,614,873	39.5%	55,685	29	14.0%
		GT 60 FT.	1,788,209	43.7%	15,550	115	55.6%
		LE 60 FT.	689,277	16.8%	10,941	63	30.4%
			-----			-----	
			4,092,359			207	

AREA	YEAR	VESSEL CATEGORY	TOTAL HARVEST (POUNDS)	PERCENT AREA HARVEST	MEAN HARVEST	PERSONS WITH LANDINGS	PERCENT TOTAL AREA PERSONS
BERING SEA	2008	FREEZER	1,221,091	38.2%	46,965	26	15.8%
		GT 60 FT.	1,383,636	43.3%	15,374	90	54.5%
		LE 60 FT.	589,651	18.5%	12,034	49	29.7%
			-----			-----	
			3,194,378			165	
	2009	FREEZER	1,087,255	38.4%	25,887	42	23.6%
		GT 60 FT.	1,226,728	43.3%	13,783	89	50.0%
		LE 60 FT.	516,924	18.3%	10,998	47	26.4%
			-----			-----	
			2,830,907			178	
	2010	FREEZER	1,092,069	39.4%	20,605	53	24.2%
		GT 60 FT.	1,202,827	43.4%	11,678	103	47.0%
		LE 60 FT.	476,247	17.2%	7,559	63	28.8%
			-----			-----	
			2,771,143			219	
	2011	FREEZER	1,083,306	39.4%	23,550	46	22.1%
		GT 60 FT.	1,201,283	43.7%	12,013	100	48.1%
		LE 60 FT.	463,660	16.9%	7,478	62	29.8%
			-----			-----	
			2,748,249			208	
	2012	FREEZER	1,107,592	40.3%	14,384	77	37.0%
		GT 60 FT.	1,208,007	44.0%	12,080	100	48.1%
		LE 60 FT.	490,620	17.9%	8,043	61	29.3%
			-----			-----	
			2,806,219			238	
	2013	FREEZER	1,158,025	42.1%	14,846	78	37.5%
		GT 60 FT.	1,196,561	43.5%	11,396	105	50.5%
		LE 60 FT.	492,585	17.9%	8,075	61	29.3%
			-----			-----	
			2,847,171			244	
	2014	FREEZER	930,526	33.9%	16,325	57	27.4%
		GT 60 FT.	1,078,891	39.3%	10,789	100	48.1%
		LE 60 FT.	431,893	15.7%	8,306	52	25.0%
			-----			-----	
			2,441,310			209	
	1995	FREEZER	405,858	41.3	21,361	19	24.4
		GT 60 FT.	471,282	48	12,084	39	50
		LE 60 FT.	105,031	10.7	5,252	20	25.6
			-----			-----	
			982,171			78	
	1996	FREEZER	266,216	37.9	13,311	20	26
		GT 60 FT.	345,928	49.2	8,236	42	54.5
		LE 60 FT.	90,945	12.9	6,063	15	19.5
			-----			-----	
			703,089			77	
	1997	FREEZER	224,862	39.3	13,227	17	27.9
		GT 60 FT.	285,816	49.9	8,932	32	52.5
		LE 60 FT.	61,901	10.8	5,158	12	19.7

AREA	YEAR	VESSEL CATEGORY	TOTAL HARVEST (POUNDS)	PERCENT AREA HARVEST	MEAN HARVEST	PERSONS WITH LANDINGS	PERCENT TOTAL AREA PERSONS
			----- 572,579			----- 61	
	1998	FREEZER	250,984	43.3	10,458	24	42.9
		GT 60 FT.	267,620	46.2	10,705	25	44.6
		LE 60 FT.	61,193	10.6	8,742	7	12.5
			----- 579,797			----- 56	
	1999	FREEZER	303,383	48.5	10,835	28	51.9
		GT 60 FT.	264,855	42.3	12,612	21	38.9
		LE 60 FT.	57,796	9.2	11,559	5	9.3
			----- 626,034			----- 54	
	2000	FREEZER	336,600	49.1%	10,519	32	34.0%
		GT 60 FT.	263,763	38.5%	4,977	53	56.4%
		LE 60 FT.	85,319	12.4%	9,480	9	9.6%
			----- 685,682			----- 94	
	2001	FREEZER	337,171	42.3%	7,493	45	38.1%
		GT 60 FT.	319,102	40.1%	5,909	54	45.8%
		LE 60 FT.	140,456	17.6%	7,392	19	16.1%
			----- 796,729			----- 118	
	2002	FREEZER	614,768	52.5%	9,916	62	43.7%
		GT 60 FT.	388,279	33.2%	7,190	54	38.0%
		LE 60 FT.	166,849	14.3%	6,417	26	18.3%
			----- 1,169,896			----- 142	
	2003	FREEZER	608,484	50.4%	9,814	62	35.8%
		GT 60 FT.	431,651	35.7%	5,995	72	41.6%
		LE 60 FT.	167,657	13.9%	4,299	39	22.5%
			----- 1,207,792			----- 173	
	2004	FREEZER	464,086	40.1%	9,874	47	33.1%
		GT 60 FT.	559,531	48.3%	7,881	71	50.0%
		LE 60 FT.	134,436	11.6%	5,602	24	16.9%
			----- 1,158,053			----- 142	
	2005	FREEZER	572,432	46.6%	10,801	53	36.8%
		GT 60 FT.	517,126	42.1%	8,916	58	40.3%
		LE 60 FT.	138,135	11.3%	4,186	33	22.9%
			----- 1,227,693			----- 144	
	2006	FREEZER	772,942	48.0%	14,864	52	35.4%
		GT 60 FT.	665,294	41.4%	9,642	69	46.9%
		LE 60 FT.	170,677	10.6%	6,565	26	17.7%
			----- 1,608,913			----- 147	

AREA	YEAR	VESSEL CATEGORY	TOTAL HARVEST (POUNDS)	PERCENT AREA HARVEST	MEAN HARVEST	PERSONS WITH LANDINGS	PERCENT TOTAL AREA PERSONS
ALEUTIANS	2007	FREEZER	895,339	50.6%	17,218	52	36.6%
		GT 60 FT.	693,914	39.2%	12,174	57	40.1%
		LE 60 FT.	180,779	10.2%	5,478	33	23.2%
			-----			-----	
			1,770,032			142	
	2008	FREEZER	716,495	47.5%	14,049	51	31.5%
		GT 60 FT.	622,619	41.3%	10,042	62	38.3%
		LE 60 FT.	169,020	11.2%	3,449	49	30.2%
			-----			-----	
			1,508,134			162	
	2009	FREEZER	691,968	46.3%	10,984	63	32.6%
		GT 60 FT.	610,409	40.8%	7,536	81	42.0%
		LE 60 FT.	193,303	12.9%	3,945	49	25.4%
			-----			-----	
			1,495,680			193	
	2010	FREEZER	391,871	36.2%	6,875	57	31.7%
		GT 60 FT.	534,333	49.3%	6,850	78	43.3%
		LE 60 FT.	156,540	14.5%	3,479	45	25.0%
			-----			-----	
			1,082,744			180	
	2011	FREEZER	451,047	42.7%	6,834	66	30.8%
		GT 60 FT.	452,951	42.9%	4,768	95	44.4%
		LE 60 FT.	151,429	14.3%	2,857	53	24.8%
			-----			-----	
			1,055,427			214	
	2012	FREEZER	416,851	15.2%	7,187	58	27.9%
		GT 60 FT.	482,474	17.6%	6,520	74	35.6%
		LE 60 FT.	161,559	5.9%	3,757	43	20.7%
			-----			-----	
			1,060,884			175	
	2013	FREEZER	303,535	11.0%	7,783	39	18.8%
		GT 60 FT.	388,613	14.1%	6,168	63	30.3%
		LE 60 FT.	106,150	3.9%	2,949	36	17.3%
			-----			-----	
			798,298			138	
	2014	FREEZER	229,435	8.3%	5,214	44	21.2%
		GT 60 FT.	144,542	5.3%	3,285	44	21.2%
		LE 60 FT.	52,234	1.9%	2,749	19	9.1%
			-----			-----	
			426,211			107	
	1995	FREEZER	1,109,897	58.3	52,852	21	28.8
		GT 60 FT.	710,778	37.3	19,210	37	50.7
		LE 60 FT.	82,439	4.3	5,496	15	20.5
			-----			-----	
			1,903,114			73	
	1996	FREEZER	610,711	52.3	30,536	20	26.7
		GT 60 FT.	451,538	38.7	11,578	39	52

AREA	YEAR	VESSEL CATEGORY	TOTAL HARVEST (POUNDS)	PERCENT AREA HARVEST	MEAN HARVEST	PERSONS WITH LANDINGS	PERCENT TOTAL AREA PERSONS
		LE 60 FT.	104,940	9	6,559	16	21.3
			-----			-----	
			1,167,189			75	
	1997	FREEZER	656,313	57.7	36,462	18	26.9
		GT 60 FT.	424,430	37.3	11,790	36	53.7
		LE 60 FT.	56,350	5	4,335	13	19.4
			-----			-----	
			1,137,093			67	
	1998	FREEZER	511,029	57.1	26,896	19	38
		GT 60 FT.	332,450	37.2	14,454	23	46
		LE 60 FT.	51,144	5.7	6,393	8	16
			-----			-----	
			894,623			50	
	1999	FREEZER	790,931	72.3	34,388	23	41.8
		GT 60 FT.	265,897	24.3	10,636	25	45.5
		LE 60 FT.	37,469	3.4	5,353	7	12.7
			-----			-----	
			1,094,297			55	
	2000	FREEZER	1,093,512	61.6%	31,243	35	29.2%
		GT 60 FT.	585,896	33.0%	8,370	70	58.3%
		LE 60 FT.	95,419	5.4%	6,361	15	12.5%
			-----			-----	
			1,774,827			120	
	2001	FREEZER	845,418	48.3%	20,620	41	30.4%
		GT 60 FT.	780,813	44.6%	10,010	78	57.8%
		LE 60 FT.	123,325	7.0%	7,708	16	11.9%
			-----			-----	
			1,749,556			135	
	2002	FREEZER	905,975	53.0%	22,097	41	30.1%
		GT 60 FT.	659,498	38.6%	8,348	79	58.1%
		LE 60 FT.	144,527	8.5%	9,033	16	11.8%
			-----			-----	
			1,710,000			136	
	2003	FREEZER	1,253,988	63.8%	16,946	74	48.1%
		GT 60 FT.	598,548	30.4%	9,501	63	40.9%
		LE 60 FT.	113,849	5.8%	6,697	17	11.0%
			-----			-----	
			1,966,385			154	
	2004	FREEZER	1,296,007	62.2%	24,923	52	41.9%
		GT 60 FT.	657,208	31.5%	11,530	57	46.0%
		LE 60 FT.	131,099	6.3%	8,740	15	12.1%
			-----			-----	
			2,084,314			124	
	2005	FREEZER	1,195,422	57.3%	29,886	40	37.7%
		GT 60 FT.	755,901	36.2%	15,118	50	47.2%
		LE 60 FT.	135,280	6.5%	8,455	16	15.1%
			-----			-----	
			2,086,603			106	

AREA	YEAR	VESSEL CATEGORY	TOTAL HARVEST (POUNDS)	PERCENT AREA HARVEST	MEAN HARVEST	PERSONS WITH LANDINGS	PERCENT TOTAL AREA PERSONS
	2006	FREEZER	914,242	59.3%	21,261	43	45.7%
		GT 60 FT.	445,433	28.9%	13,498	33	35.1%
		LE 60 FT.	182,220	11.8%	10,123	18	19.1%
			-----			-----	
			1,541,895			94	
	2007	FREEZER	913,600	56.8%	36,544	25	32.5%
		GT 60 FT.	602,110	37.4%	16,273	37	48.1%
		LE 60 FT.	92,724	5.8%	6,182	15	19.5%
			-----			-----	
			1,608,434			77	
	2008	FREEZER	901,142	63.5%	22,529	40	40.8%
		GT 60 FT.	420,737	29.7%	10,788	39	39.8%
		LE 60 FT.	96,349	6.8%	5,071	19	19.4%
			-----			-----	
			1,418,228			98	
	2009	FREEZER	978,416	58.9%	21,270	46	44.7%
		GT 60 FT.	607,637	36.6%	14,131	43	41.7%
		LE 60 FT.	74,073	4.5%	5,291	14	13.6%
			-----			-----	
			1,660,126			103	
	2010	FREEZER	951,900	67.2%	25,050	38	37.3%
		GT 60 FT.	399,338	28.2%	9,983	40	39.2%
		LE 60 FT.	64,514	4.6%	2,688	24	23.5%
			-----			-----	
			1,415,752			102	
	2011	FREEZER	1,147,669	68.1%	26,690	43	34.1%
		GT 60 FT.	490,011	29.1%	8,305	59	46.8%
		LE 60 FT.	46,527	2.8%	1,939	24	19.0%
			-----			-----	
			1,684,207			126	
	2012	FREEZER	1,123,735	15.2%	7187.086207	42	27.9%
		GT 60 FT.	609,998	17.6%	6519.918919	57	35.6%
		LE 60 FT.	72,384	5.9%	3757.186047	21	20.7%
			-----			-----	
			1,806,117			120	
	2013	FREEZER	1,075,471	11.0%	7782.948718	36	18.8%
		GT 60 FT.	499,818	14.1%	6168.460317	29	30.3%
		LE 60 FT.	36,131	3.9%	2948.611111	25	17.3%
			-----			-----	
			1,611,420			90	
	2014	FREEZER	580,207	8.3%	5214.431818	37	21.2%
		GT 60 FT.	504,661	5.3%	3285.045455	30	21.2%
		LE 60 FT.	64,099	1.9%	2749.157895	13	9.1%
			-----			-----	
			1,148,967			80	

Table 14-2 shows total and mean harvests, as well as the number of persons who recorded landings. The percent of the total area harvest attributed to each vessel category is given and the percent of total persons with landings in each vessel category also is shown.

Note that some persons have landings in more than one vessel category in an area; therefore, the sum of persons with landings in each vessel category is greater than the overall unique number of persons with landings shown in Table 14-1.

# 15 Annual Sablefish Ex-Vessel Prices

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The term “ex-vessel” refers to activities that occur when a commercial fishing vessel lands or offloads a catch. For example, the price received by a captain (at the point of landing) for unprocessed catch is an ex-vessel price.

Although fishermen often target sablefish and halibut at the same time, because of differences in market demands and fishing procedures, sablefish and halibut ex-vessel prices are neither equivalent nor generally comparable.

This chapter provides annual estimated ex-vessel prices by IFQ management area, including statewide estimates, during 1992 through 2014. The Alaska Fisheries Information Network (AKFIN) collects the CFEC gross earnings for the source of this data. CFEC collects summary data from permit holder fish ticket landing records. NMFS-RAM uses AKFIN data for Table 15-1, which provides annual ex-vessel price estimates for the 22-year reporting period. Although the primary source for the estimates comes from fish tickets, AKFIN also uses ADF&G Commercial Operator's Annual Reports to calculate ex-vessel price estimates.

Estimated prices reflect all commercial delivery/condition types and weighted average ex-vessel prices reported for all fixed-gear types, including longline, troll, jig, handline, and pot. These estimates reflect catcher vessel deliveries to shoreside processors for commercial catches (IFQ Community Development Quota (CDQ) program) only and exclude harvests from discards, test fishing, confiscated catch, personal use, and other unsold harvests. CFEC also excluded small harvests and associated landings from the state waters of the Aleutian Islands, Alaska Peninsula, and Chukchi Sea during their calculations of sablefish ex-vessel prices.

In Table 15-1, prices in the Aleutian Islands reflect a narrower range in ex-vessel prices from 1992 through 2014, compared with ex-vessel prices in all other statewide areas. Prices in the Aleutian Islands ranged from a low of \$1.67 in 1993 to a peak price of \$7.85 in 2011. The Central Gulf and Western Gulf shared the widest range of prices in statewide management areas, with prices ranging from \$1.63 and \$1.68, respectively, in 1993 to \$6.01 and \$7.70, respectively, in 2011.

Table 15-1 shows estimated ex-vessel prices were higher during 1997 for all IFQ management areas, including Southeast, where the price reached \$3.79 during 2000. Aleutian Islands ex-vessel price of \$7.85 in 2011 was the statewide highest ex-vessel price. Over the entire 20 years, the lowest ex-vessel price was in the Central Gulf during 1993 when the estimated price was \$1.63 in the Western Gulf. Generally, ex-vessel prices rose in gradual increments in each management area, except prices declined in all areas during 1998 and 2001 and gradually rebounded.

**Table 15-1 Sablefish estimated ex-vessel prices by management area and year, including annual statewide estimates, 1992–2014**

Sablefish IFQ Area <sup>1</sup>	Year	Estimated ex-vessel price	Sablefish IFQ Area <sup>1</sup>	Year	Estimated ex-vessel price	Sablefish IFQ Area <sup>1</sup>	Year	Estimated ex-vessel price
Aleutian Islands	1992	1.88	Central Gulf Cont.	2001	3.16	Cont.	2010	5.73
	1993	1.67		2002	3.17		2011	7.70
	1994	1.98		2003	3.63		2012	5.92
	1995	2.99		2004	3.09		2013	4.40
	1996	3.03		2005	3.17		2014	5.51
	1997	3.60		2006	3.51	West Yakutat	1992	1.87
	1998	2.21		2007	3.30		1993	1.65
	1999	2.75		2008	3.66		1994	2.24
	2000	3.17		2009	3.95		1995	3.31
	2001	2.93		2010	4.59		1996	3.27
	2002	3.09		2011	6.01		1997	3.76
	2003	3.46		2012	4.93		1998	2.64
	2004	2.81		2013	3.54		1999	2.98
	2005	2.87		2014	4.37		2000	3.73
	2006	3.55	Southeast	1992	1.93		2001	3.20
	2007	3.53		1993	1.68		2002	3.24
	2008	4.37		1994	2.46		2003	3.67
	2009	4.78		1995	3.18		2004	3.22
	2010	5.67		1996	3.42		2005	3.24
	2011	7.85		1997	3.78		2006	3.53
	2012	5.86		1998	2.49		2007	3.47
	2013	4.21		1999	3.03		2008	3.47
	2014	5.16		2000	3.79		2009	3.78
Bering Sea	1992	1.86		2001	3.23		2010	4.34
	1993	1.66		2002	3.25		2011	5.69
	1994	1.99		2003	3.68		2012	4.92
	1995	3.04		2004	3.26		2013	3.38
	1996	3.05		2005	3.50		2014	4.09
	1997	3.61		2006	3.11	Statewide	1992	1.89
	1998	2.26		2007	2.63		1993	1.67
	1999	2.86		2008	2.96		1994	2.36
	2000	3.54		2009	3.17		1995	3.23
	2001	3.03		2010	3.74		1996	3.30
	2002	2.16		2011	5.03		1997	3.53
	2003	3.00		2012	4.11		1998	2.34
	2004	2.22		2013	2.80		1999	2.83
	2005	2.67		2014	\$3.49		2000	3.53
	2006	3.26	Western Gulf	1992	1.90		2001	3.04
	2007	2.93		1993	1.65		2002	3.06
	2008	3.87		1994	2.00		2003	3.46
	2009	3.85		1995	3.21		2004	2.95
	2010	4.50		1996	3.13		2005	3.14
	2011	7.18		1997	3.65		2006	3.33
	2012	3.94		1998	2.41		2007	3.10
	2013	3.52		1999	2.92		2008	3.45
	2014	4.93		2000	3.65		2009	3.71
Central Gulf	1992	1.85		2001	3.14		2010	4.38
	1993	1.63		2002	3.25		2011	5.85
	1994	2.21		2003	3.65		2012	4.69
	1995	3.30		2004	2.99		2013	3.33
	1996	3.23		2005	3.31		2014	4.15
	1997	3.74		2006	3.89			
	1998	2.63		2007	3.84			
	1999	3.00		2008	4.46			
	2000	3.67	Western Gulf	2009	4.66			

Note: The IFQ Program started in 1995.  
2015 is not available at this time.

## Sablefish: Appendix I

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This project required resident-type designations for QS and IFQ permit holders. Resident-type was based upon addresses on NMFS-RAM demographic files at the end of each year from 1995 through 2006. Each “place,” or community, on the NMFS-RAM files was given an Urban/Rural designation and a Local/Nonlocal designation.

### Decision Rules Used to Designate Urban and Rural for 1990

- (1) Urban includes all towns with 1990 U.S. Census populations of 2,500 or more.
- (2) Communities also are designated as urban even though their populations are under 2,500 if they lie within an “urbanized area.” Urbanized areas are defined as all communities and places connected by highway to urban centers with populations of 6,000 or more and lying within a 20-mile radius of the urban center (for centers from 6,000 to 20,000 population) or a 40-mile radius (for centers of more than 20,000). The radius is measured from the center of the city as denoted by the city location point on maps, rather than from the city limits. An exception to the radius rule is that the Anchorage “urbanized area” does not extend north of Knik Arm nor south of Turnagain Arm.

The cities of 6,000 to 20,000 population are Ketchikan, Kenai, Kodiak and Sitka. The cities above 20,000 are Anchorage, Fairbanks and Juneau.

### Decision Rules Used to Designate Local and Non-local

Localness to halibut management areas is determined using the following rules:

- (1) If the place is a coastal community, it is local to the halibut management areas of that coastline.
- (2) If a community's border is within 25 miles of the coast, and is connected to the coast by a navigable body of water or road, it is local to the halibut management areas of that coastline.
- (3) If a community is determined to be local to a management area as defined above, and there is another management area adjacent, then localness to the adjacent area is determined by the following rule:

If the community is a coastal community, and it is within 25 straight-line miles of the adjacent area boundary, it is local to the adjacent area.

## Appendix I **Differences Between the 1990 Census and Census 2000 Urbanized Area Criteria**

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The following paragraphs provide a summary of the most important differences between the 1990 census UA criteria and the urban area criteria for Census 2000:

- The Census Bureau did not automatically recognize previously existing UA territory as part of the Census 2000 UA delineation process. There was no "grandfathering" of areas that qualified based on the results of earlier censuses.
- For Census 2000, the Census Bureau used the territory designated as UCs, rather than the entity of places that have a specified population, to determine the total urban population outside of UAs. Previously, place boundaries generally were used to determine the urban or rural classification of territory outside of UAs. With the creation of UCs, place boundaries became "invisible" when creating and classifying the cores of densely settled population agglomerations.
- Technological advances in the field of geographic information systems (GIS) during the last 10 years allowed the Census Bureau to automate the urban and rural delineation process for the first time in Census Bureau history.
- The extended city criteria were modified extensively for Census 2000. Any place that is split by a UA or UC boundary is referred to as an extended place. Previously, the extended city criteria included only sparsely settled territory within incorporated places and relied on density and area measurements to determine whether or not portions of an incorporated place were excluded from the UA. The new urban area criteria, based solely on the population density of census Block Groups (BGs) and census blocks, provide a continuum of urban areas for Census 2000.
- The Census 2000 criteria increased the allowable jump distance from 1.5 to 2.5 miles. The increase in the jump distance was proposed as a means to recognize improvements in the transportation network, and the associated changes in development patterns that reflect these improvements, coupled with governmental influence to provide additional "green space" between developments.
- The Census Bureau developed the concept of "hops" to extend the urban definition across small nonqualifying census blocks, and thereby avoid the need to designate the break in qualifying blocks as a jump. Hops between qualifying areas are less than or equal to 0.5 mile.
- For Census 2000, the area of an indentation in qualifying territory had to be four times the area of a circle with a diameter equal to the closure line of the indentation for the territory to be included in a UA or UC. Previously, an indentation only had to be two times longer than the distance across the mouth. The new criteria enabled the Census Bureau to use an automated methodology that reduced the chances of incorrectly classifying as urban, sparsely settled territory along the fringe of a core.
- The uninhabitable jump criteria were revised for Census 2000 to be more restrictive regarding the types of terrain over which an uninhabitable jump could be made. For Census 2000 only water, military reservations, national parks, and qualifying floodplains were deemed to be "exempted territory," which replaced undevelopable as the term applied to these areas.
- The UA central place and title criteria no longer follow standards predefined by other federal agencies. Previously, many UA central places and titles were based on metropolitan area (MA) central city definitions set forth by the Office of Management and Budget.
- The new MA criteria will be, and always have been, applied later than the UA criteria. To avoid creating a situation in which the 2000 UA or UC central places and titles would need to follow MA central city definitions that were established in the early 1990s, the Census 2000 criteria create an objective, zero-based approach.
- Note: U.S. Census Bureau Difference between the 1990 census and the census 2000 urbanized Area Criteria [http:// www.census.gov/geo/www/ua/uac2k\\_90.html](http://www.census.gov/geo/www/ua/uac2k_90.html)



## APPLICATION FOR TRANSFER OF QS/IFQ

U.S. Dept. of Commerce/NOAA  
National Marine Fisheries Service (NMFS)  
Restricted Access Management (RAM)  
P.O. Box 21668  
Juneau, AK 99802-1668  
(800) 304-4846 toll free, (907) 586-7202 in Juneau  
(907) 586-7354 fax



**NOTE: A separate application must be submitted for each Quota Share (QS) or IFQ Transfer.  
If you want to do a self sweep-up, please use the self sweep-up form.**

### BLOCK A – TEC

Does the Transferee (Buyer) hold a Transfer Eligibility Certificate (TEC)? [ ] YES or [ ] NO

### BLOCK B – CHECKLIST

**USE THIS LIST TO ENSURE YOUR APPLICATION IS COMPLETE. INCOMPLETE APPLICATIONS WILL NOT BE PROCESSED. NOTE: Faxed Applications Are Not Acceptable. Please Submit Originals.**

- [ ] Completed, signed, and notarized application
- [ ] Copy of signed & notarized sales agreement.
- [ ] Documentation for Authorized Agent (if applicable)
- [ ] Transfer of IFQ (Category "A" Shares, Surviving Spouse Lease): Copy of permit

### BLOCK C - TRANSFEROR (SELLER)

1. Name:		2. NMFS Person ID:	
		3. Date of Birth:	
4. Permanent Business Mailing Address:		5. Temporary Business Mailing Address (see instructions):	
6. Business Telephone Number:	7. Business Fax Number:	8. E-mail Address (if available):	

### BLOCK D - TRANSFEE (BUYER)

1. Name:		2. NMFS Person ID:	
		3. Date of Birth:	
4. Permanent Business Mailing Address:		5. Temporary Business Mailing Address (see instructions):	
6. Business Telephone Number:	7. Business Fax Number:	8. E-mail address (if available):	

**BLOCK E - QUESTIONS FOR TRANSFEREE (BUYER)**

1. Do you request that this QS be included in a **sweep up**, if possible? ☐ YES ☐ NO
2. If YES, list the QS Group Number on the QS Holder Summary Report into which this new piece should be combined.

\_\_\_\_\_

3. If this is Catcher Vessel CDQ Compensation QS and the vessel category has never been declared, check the one Catcher Vessel Category in which you would like to have your QS issued:

**Length Overall:** ☐ 0' to 35' ☐ 36' to 60' ☐ Greater than 60'

**Vessel Category:** ☐ D ☐ C ☐ B

**BLOCK F - IDENTIFICATION OF QS AND IFQ TO BE TRANSFERRED**

*Complete Block F if QS and IFQ are to be transferred together or if you want to transfer QS only.*

1. ☐ Halibut or ☐ Sablefish

2. IFQ Regulatory Area:

3. Vessel Category:

4. Number of QS Units to be Transferred:

5. Transferor (Seller) IFQ Permit Number:

6. Numbered To and From (Serial Numbers are shown on the QS Holder Summary Report):

7. Do you want all remaining pounds for the current fishing year transferred? ☐ Yes ☐ No

If **no**, specify the number of pounds to be transferred: \_\_\_\_\_

- Pounds transferred include a pro-rata share of any overage based on the QS units held or transferred and is non-negotiable.

- Pounds transferred include a pro-rata share of any underage based on the QS held and transferred UNLESS OTHERWISE INSTRUCTED.

**BLOCK G - TRANSFER OF IFQ ONLY**

*Complete this Block if you want to Transfer IFQ Only (Applies only to Category "A" & Surviving Spouse IFQ)*

1. ☐ Halibut or ☐ Sablefish

2. IFQ Regulatory Area:

3. Number of Units:

4. Numbered To and From (Serial Numbers are shown on the QS Holder Summary Report):

5. Actual Number of IFQ Pounds:

6. Transferor (Seller) IFQ Permit Number:

7. Fishing Year: 20 \_\_\_\_\_

**REQUIRED SUPPLEMENTAL INFORMATION**  
**YOUR APPLICATION WILL NOT BE PROCESSED UNLESS YOU PROVIDE THE FOLLOWING INFORMATION**

***BLOCK H - TO BE COMPLETED BY THE TRANSFEROR***

1. Give the price per pound (including leases) \$ \_\_\_\_\_ / # IFQ (Price divided by IFQ pounds) Including fees  
 Give the price per unit of QS \$ \_\_\_\_\_ / Unit of QS (Price divided by QS Units)
2. What is the **total amount** being paid for the QS/IFQ in this transaction, including all fees? \_\_\_\_\_
3. What are your reasons for transferring the QS/IFQ? (check all that apply)
 

<input type="checkbox"/> Retirement from Fisheries	<input type="checkbox"/> Shares Too Small to Fish	<input type="checkbox"/> Consolidation of Shares
<input type="checkbox"/> Pursue Non-Fishing Activities	<input type="checkbox"/> Trading Shares	<input type="checkbox"/> Enter other Fisheries
<input type="checkbox"/> Health Problems	<input type="checkbox"/> Other (explain): _____	
4. Is there a broker being used for this transaction? ☐ Yes ☐ No  
 If **yes**, how much is being paid in brokerage fees? \$ \_\_\_\_\_ or \_\_\_\_\_ % of total price.

***BLOCK I - TO BE COMPLETED BY THE TRANSFEREE***

1. Will the QS/IFQ being purchased have a lien attached? ☐ Yes ☐ No  
 If yes, name of lien holder: \_\_\_\_\_
2. What is the primary source of financing for this transfer (*check one*)? ☐ Received as a Gift  

<input type="checkbox"/> Personal Resources (cash)	<input type="checkbox"/> AK Com. Fish & Ag. Bank	<input type="checkbox"/> NMFS Loan Program
<input type="checkbox"/> Private Bank/Credit Union	<input type="checkbox"/> Transferor/Seller	<input type="checkbox"/> Processor/Fishing Company
<input type="checkbox"/> Alaska Dept. Of Commerce	<input type="checkbox"/> Other (explain): _____	
3. How was the QS/IFQ located (*check all that apply*)?
 

<input type="checkbox"/> Relative	<input type="checkbox"/> Advertisement / Public Notice	<input type="checkbox"/> Broker
<input type="checkbox"/> Personal Friend	<input type="checkbox"/> Other (explain): _____	
4. What is the Buyer's relationship to the QS/IFQ Holder (*check all that apply*)?
 

<input type="checkbox"/> Unrelated	<input type="checkbox"/> Family Member	<input type="checkbox"/> Business Partner	<input type="checkbox"/> Friend
<input type="checkbox"/> Other (explain): _____			
5. Is there an agreement to return the QS or IFQ to the Transferor (seller), or any other person, or a condition placed on resale?  

☐ Yes ☐ No

 If **yes**, please explain: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



# APPLICATION FOR TRANSFER OF QS/IFQ

U.S. Dept. of Commerce/NOAA  
National Marine Fisheries Service (NMFS)  
Restricted Access Management (RAM)  
P.O. Box 21668  
Juneau, AK 99802-1668  
(800) 304-4846 toll free, (907) 586-7202 in Juneau  
(907) 586-7354 fax



**NOTE: Submit a separate application for each Quota Share (QS) or IFQ Transfer.**  
**If you want to do a self sweep-up (combine) , please use the self sweep-up form.**

Does the Transferee (Buyer) hold a Transfer Eligibility Certificate (TEC)? ☐ YES ☐ NO

Use this checklist to ensure your application is complete. Incomplete applications will not be processed.

**NOTE:** Faxed Applications Are Not Acceptable. Please Submit Originals.

- ☐ Completed, signed, and notarized application
- ☐ Copy of signed & notarized sales agreement
- ☐ Documentation for Authorized Representative (if applicable)
- ☐ Transfer of IFQ (Category "A" Shares, Surviving Spouse Lease): Copy of permit

## BLOCK A – IDENTIFICATION OF TRANSFEROR (SELLER)

1. Name:

2. NMFS Person ID:

3. Date of Birth:

4. Business Mailing Address ☐ Permanent ☐ Temporary:

5. Business Telephone Number:

6. Business Fax Number:

7. E-mail Address (if available):

## BLOCK B – IDENTIFICATION OF TRANSFEE (BUYER)

1. Name:

2. NMFS Person ID:

3. Date of Birth:

4. Permanent Business Mailing Address ☐ Permanent ☐ Temporary

5. Business Telephone Number:

6. Business Fax Number:

7. E-mail address (if available):

**BLOCK C - QUESTIONS FOR TRANSFEREE**

1. Do you request that this quota share (QS) be included in a **sweep up**, if possible?    ☐ YES        ☐ NO
2. **If YES**, list the QS Group Number on the QS Holder Summary Report into which this new piece should be combined.

\_\_\_\_\_

3. If this is transfer of Catcher Vessel Western Alaska Community Development Quota (CDQ) Compensation QS and the vessel category has never been declared, check the one Catcher Vessel Category in which you would like to have your QS issued:

☐ **Category D** (0 ft to 35 ft length overall (LOA))

☐ **Category C** (36 ft to 60 ft LOA)

☐ **Category B** (greater than 60 ft LOA)

**BLOCK D - IDENTIFICATION OF QS AND IFQ TO BE TRANSFERRED**

*Complete Block D if QS and IFQ are to be transferred together or if you want to transfer QS only*

1. ☐ Halibut    or    ☐ Sablefish

2. IFQ Regulatory Area:

3. Vessel Category:

4. Number of QS Units to be Transferred:

5. Transferor IFQ Permit Number:

6. Numbered To and From (Serial Numbers are shown on the QS Holder Summary Report):

7. Do you want all remaining pounds for the current fishing year transferred?

YES ☐

NO ☐

**If NO**, specify the number of pounds to be transferred: \_\_\_\_\_

Pounds transferred include a pro-rata share of **any overage** based on the QS units held or transferred and is non-negotiable.

Pounds transferred include a pro-rata share of **any underage** based on the QS held and transferred  
UNLESS OTHERWISE INSTRUCTED.

**BLOCK E - TRANSFER OF IFQ ONLY**

*Complete this Block if you want to Transfer IFQ Only (Applies only to Category "A" & Surviving Spouse IFQ)*

1. ☐ Halibut    or    ☐ Sablefish

2. IFQ Regulatory Area:

3. Number of Units:

4. Numbered To and From (Serial Numbers are shown on the QS Holder Summary Report):

5. Actual Number of IFQ Pounds:

6. Transferor IFQ Permit Number:

7. Fishing Year: 20\_\_\_\_\_

**REQUIRED SUPPLEMENTAL INFORMATION**  
**YOUR APPLICATION WILL NOT BE PROCESSED UNLESS YOU PROVIDE THE FOLLOWING INFORMATION**

***BLOCK F – REQUIRED TRANSFEROR SUPPLEMENTAL INFORMATION***

1. Give the price per pound (including leases) \$ \_\_\_\_\_/#IFQ (Price divided by IFQ pounds including fees)

Give the price unit QS \$ \_\_\_\_\_/Unit of QS (Price divided by QS Unit)

2. What is the **total amount** paid for the QS/IFQ in this transaction, including fees? \_\_\_\_\_

3. What are the reasons for transferring the QS/IFQ? (*check all that apply*)

☐ Retirement from Fisheries                      ☐ Shares Too Small to Fish                      ☐ Enter other Fisheries

☐ Pursue Non-Fishing Activities                      ☐ Trading Shares

☐ Health Problems                      ☐ Consolidation of Shares                      ☐ Other (explain):

4. Is there a broker being used for this transaction?

☐ Yes                      ☐ No

**If YES**, how much is being paid in brokerage fees? \$ \_\_\_\_\_ or \_\_\_\_\_% of total price.

***BLOCK G – REQUIRED TRANSFEREE SUPPLEMENTAL INFORMATION***

1. Will the QS/IFQ being purchases have a lien attached?                      ☐ Yes                      ☐ No

**If YES**, name of lien holder: \_\_\_\_\_

2. What is the primary source of financing for this transfer (*check one*) ?                      ☐ Received as a Gift

☐ Personal Resources (cash)                      ☐ AK Com. Fish & Ag. Bank                      ☐ NMFS Loan Program

☐ Private Bank/Credit Union                      ☐ Transferor/Seller                      ☐ Processor/Fishing Company

☐ Alaska Dept. of Commerce                      ☐ Other (explain): \_\_\_\_\_

3. How was the QS/IFQ located (*check all that apply*)?

☐ Relative                      ☐ Advertisement/Public Notice                      ☐ Broker

☐ Personal Friend                      ☐ Other (explain): \_\_\_\_\_

4. What is the Buyer's relationship to the QS/IFQ Holder (*check all that apply*) ?

☐ Unrelated                      ☐ Family Member                      ☐ Business Partner

☐ Friend                      ☐ Other (explain): \_\_\_\_\_

5. Is there an agreement to return the QS or IFQ to the Transferor, or any other person, or a condition in placed on resale?

☐ Yes                      ☐ No

**If YES**, please explain: \_\_\_\_\_

**NOTE:** This Application for Transfer must be completed, signed, and notarized by both parties. Failure to have signatures properly notarized will result in delays in the processing of this application.

<b>BLOCK H – CERTIFICATION OF TRANSFEROR</b>	
Under penalties of perjury, I declare that I have examined this application, and to the best of my knowledge and belief, the information presented here is true, correct, and complete.	
1. Signature of Transferor or Authorized Representative:	2. Date:
3. Printed Name Transferor or Authorized Representative <i>Note: If representative, attach authorization</i>	
4. Notary Public Signature: <b>ATTEST</b>	5. Affix Notary Stamp or Seal Here:
6. Commission Expires:	

<b>BLOCK I – CERTIFICATION OF TRANSFeree</b>	
Under penalties of perjury, I declare that I have examined this application, and to the best of my knowledge and belief, the information presented here is true, correct, and complete.	
1. Signature of Transferee or Authorized Representative:	2. Date:
3. Printed Name Transferee or Authorized Representative <i>Note: If representative, attach authorization</i>	
4. Notary Public Signature: <b>ATTEST</b>	5. Affix Notary Stamp or Seal Here:
6. Commission Expires:	

**PUBLIC REPORTING BURDEN STATEMENT**

Public reporting for this collection of information is estimated to average 2.0 hours per response, including the time for reviewing the instructions, searching the existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Assistant Regional Administrator, Sustainable Fisheries Division, NOAA National Marine Fisheries Service, Alaska Region, P.O. Box 21668, Juneau, AK 99802-1668.

**ADDITIONAL INFORMATION**

Before completing this form please note the following: 1) Notwithstanding any other provision of law, no person is required to respond to, nor shall any person be subject to a penalty for failure to comply with, a collection of information, subject to the requirements of the Paperwork Reduction Act, unless that collection of information displays a currently valid OMB Control Number; 2) This information is mandatory and is required to manage commercial fishing efforts under 50 CFR part 679 and under section 402(a) of the Magnuson-Stevens Act (16 U.S.C. 1801, *et seq.*); 3) Responses to this information request are confidential under section 402(b) of the Magnuson-Stevens Act as amended in 2006. They are also confidential under NOAA Administrative Order 216-100, which sets forth procedures to protect confidentiality of fishery statistics.

**INSTRUCTIONS**  
**APPLICATION FOR TRANSFER OF QS/IFQ**

Any person that received Quota Share/Individual Fishing Quota (QS/IFQ) as an Initial Issue or that holds a Transfer Eligibility Certificate (TEC) is eligible to receive QS/IFQ by transfer. A transferee that does not have a TEC will need to contact RAM for instructions on eligibility procedures and a TEC application form.

An Application for Transfer of QS/IFQ must be approved by the NMFS Regional Administrator before a person may use IFQ that results from a direct transfer to harvest IFQ halibut or IFQ sablefish.

IFQ resulting from category B, C, or D QS may not be transferred separately from its originating QS, except as provided in 50 CFR 679.41(k).

The IFQ Program does not permit transfer of QS subject to any conditions of repossession or resale to the transferor except by court order, operation of law, or security agreement.

***GENERAL INFORMATION***

- Please submit a separate application for each proposed QS or IFQ transfer.
- Complete the entire application, and include all attachments; failure to do so could result in delays in the processing of your application.
- Please insure that signatures on the application are original and are notarized. RAM will not process an application that does not bear original signatures (faxed applications will be returned). All signatures must be witnessed by a Notary Public (or, in some remote areas, the community Postmaster or Postmistress). The Notary Public cannot be the person(s) submitting this application.

**If you want to apply for a “self sweep-up,” please use the *Self Sweep-Up Form*.**

Submit the original application -- an application sent by fax will **not** be processed.

When completed, submit the original application

By mail to

**NMFS Alaska Region  
Restricted Access Management (RAM)  
P.O. Box 21668  
Juneau, AK 99802-1668**

or deliver to:

**Room 713, Federal Building  
709 West 9th Street  
Juneau, AK 99801**

**Please allow at least ten working days for your application to be processed.** Items will be sent by first class mail, unless you provide alternate instructions *and* include a prepaid mailer with appropriate postage or corporate account number for express delivery.

If you need additional information:

**Call RAM:** (800) 304-4846 (#2) or (907) 586-7202 (#2)

**E-Mail Address:** [RAM.Alaska@noaa.gov](mailto:RAM.Alaska@noaa.gov)

**Web Site:** <https://alaskafisheries.noaa.gov>

### ***COMPLETING THE APPLICATION***

Indicate whether the Transferee (Buyer) holds a Transfer Eligibility Certificate (TEC).

Use the checklist to ensure your application is complete. Incomplete applications will not be processed.

**NOTE:** It is important that all blocks are completed and all necessary documents are attached. Failure to answer any of the questions, provide attachments, or to have signatures notarized could result in delays in the processing of your application.

#### **BLOCK A – IDENTIFICATION OF TRANSFEROR (SELLER)**

1. Full name as it appears on QS Holder Summary Report and/or TEC.
2. NMFS Person ID: As found on QS Holder Summary Report or TEC.
3. Date of Birth.
4. Business Mailing Address. Indicate whether permanent or temporary. Include street or P.O. Box number, city, state, and zip code. Use a temporary address to send transfer documentation somewhere other than to the permanent address.
- 6-8. Business Telephone Number, Business Fax Number, and Business E-mail address (if available)

#### **BLOCK B – IDENTIFICATION OF TRANSFEREE (BUYER)**

1. Full name as it appears on QS Holder Summary Report and/or TEC.
2. NMFS Person ID: As found on QS Holder Summary Report or TEC.
3. Date of Birth.
4. Business Mailing Address. Indicate whether permanent or temporary. Include street or P.O. Box number, city, state, and zip code. Use a temporary address to send transfer documentation somewhere other than to the permanent address.
- 5-7. Business Telephone Number, Business Fax Number, and Business E-mail address (if available)

#### **BLOCK C – QS QUESTIONS FOR TRANSFEREE**

1. Indicate if you wish to combine (“sweep up”) the transferred block together with a block you already hold. Blocked QS’s may be swept up into one block if the total amount of QS being combined is less than or equal to the following amounts of QS units per area.

Halibut		Sablefish	
Area	Units	Area	Units
2C	33,320	SE	33,270
3A	46,520	WY	43,390
3B	44,193	CG	46,055
4A	22,947	WG	48,410
4B	15,087	AI	99,210
4C	30,930	BS	91,275
4D	26,082		

2. QS Group Number
3. If this is a transfer of Catcher Vessel Western Alaska Community Development Quota (CDQ) compensation QS, there is a **one time** opportunity at the time of the first transfer to **permanently** designate the catcher vessel category of the QS being transferred. CDQ compensation QS is QS issued as compensation for halibut and sablefish harvest privileges foregone due to the CDQ Program

Persons issued CDQ compensation QS in a catcher vessel category and in an IFQ regulatory area in which they do not hold QS other than CDQ compensation QS, may use that CDQ compensation QS on any catcher vessel. This exemption from catcher vessel categories ends upon the first transfer of the CDQ compensation QS. CDQ compensation QS being transferred will be permanently assigned to a specific catcher vessel category as designated by the person receiving the transfer.

#### **BLOCK D - IDENTIFICATION OF QS AND IFQ TO BE TRANSFERRED**

**This block should only be completed if you are transferring QS and the IFQ resulting from these shares.** Persons wishing to transfer IFQ only (Category “A” shares, lease), should fill out Block E.

1. Species: halibut or sablefish
2. IFQ Regulatory Area
3. Vessel Category
4. Number of units to be transferred
5. Transferor IFQ permit number
6. Starting and ending serial number of shares to be transferred  
[For example, **H-2C-C-B-123,456 THROUGH H-2C-C-B-789,493**]
7. A **specific number of pounds** must be indicated for each transfer. A pro-rata amount of IFQ (**overage pounds**) will be debited from any IFQ transferred based on the QS unit held or transferred. The current QS holder may retain **underage pounds**. However, unless otherwise specified, the underage associated with the QS will be transferred. Please indicate your specific intention.

## BLOCK E - TRANSFER OF IFQ ONLY

Complete this box if IFQ pounds only are being transferred (leased) and the QS will remain with the current holder of those shares. Only Category “A” or those shares received as a Surviving Spouse under the provisions in 50 CFR 679 may be transferred in this manner.

1. Species: halibut or sablefish
2. IFQ Regulatory Area
3. Number of units to be transferred
4. Starting serial number to the ending serial number of shares to be transferred
5. Specific number of pounds being transferred
6. Transferor's IFQ permit number
7. The fishing year is the current year or year in which IFQ should be transferred. A transfer of IFQ only cannot be completed until the IFQ has been awarded for that year.

## BLOCK F - REQUIRED TRANSFEROR SUPPLEMENTAL INFORMATION

1. The price per pound of IFQ must be entered, including IFQs **only** “leased”. (To derive the number of dollars per unit of QS or pound of IFQ, divide the total amount paid, including fees, by the number of QS units **or** the number of IFQ pounds being transferred.)
2. The total amount entered should include **any and all** monies collected on behalf of the seller for the shares involved, including any fees that will be paid out to other parties for the expenses of brokering or assisting in the sale of these shares.
3. Please check all boxes that apply to this transaction.
4. Are you paying a third party to assist with this transaction?  
**If NO**, go to question #2.  
**If YES**, put the total price paid to the broker or calculate how much was paid to the third party as a percentage of the total sale price. (The percentage can be derived by using this formula: divide the brokerage fee by the total price paid for the QS/IFQ, then multiply the result by 100.)

## BLOCK G - REQUIRED TRANSFeree SUPPLEMENTAL INFORMATION

1. Indicate whether the QS/IFQ will have a lien attached (used as collateral). **If YES**, provide the name of the lien holder. This name will appear on the QS Certificate.
2. Indicate the primary source of financing for this transfer (check one).
3. Explain how the QS/IFQ was located (check all that apply).
4. Indicate Transferee's relationship to the QS/IFQ holder (check all that apply).
5. Indicate whether there is an agreement to return the QS or IFQ to the Transferor, or any other person, or a condition placed on resale. **If YES**, please explain.

**BLOCK H – CERTIFICATION OF TRANSFEROR**

Printed name and signature of Transferor and date signed

If authorized representative, **attach** authorization

Signature, commission expiration date, and stamp of notary

**BLOCK I – CERTIFICATION OF TRANSFEREE**

Printed name and signature of Transferor and date signed

If authorized representative, **attach** authorization

Signature, commission expiration date, and stamp of notary